Guide for Ratél - RatTrap ET20

<u>On-line</u> model

-marked equipment is approved for use in potentially explosive areas (Atex zone 2)

For best usage of this guide: Download Adobe Acrobat Viewer for reading PDF files on your smartphon/tablet

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Link to Quick Guide

1. Generel

- The RatTrap ET20 is a mechanical rat trap, used for mounting in the sewer system. The solution is available for pipes with sizes from Ø160 mm to Ø500 mm.
- The trap is fitted for the different pipe sizes using an Inlet design in stainless steel – and the inlet also contains a rat block.
- The trap's block prevents the rats from passing into the manhole instead the rats are guided into the RatTrap's killing unit.
- In the killing unit you find a flap. When the rat touches the flap with its head – a piston is released with great force. The piston will hit the rat in the neck – and the rat will die immediately.
- The piston driven by a CO2 canister under high pressure.
- The entire system is monitored and serviced via a customized webplatform and APP.
- On the next pages will follow a thorough manual, a quick guide and the necessary certification documents.
- Glossary and Drawings all parts
- <u>CE-certification</u> CE
- <u>Atex-certification</u>
- <u>VA-certification</u>



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Read about Atex - and Atex-zones HERE



1.1 Glossary and Drawings

1.1.1 The trap	<u>Go</u>
1.1.2 Mounting gear	<u>Go</u>
1.1.3 Electronics	<u>Go</u>
1.1.3.1 Electronics Systems drawing	<u>Go</u>
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1.1.5 Mounting kit Concrete	<u>Go</u>
1.1.6 Softwareplatform	<u>Go</u>
1.1.7 APP	<u>Go</u>



1.1.1 The trap





1.1.2 Mounting gear

The Mounting hook is extended with extender rods to match the depth of the manhole



The Mounting hook graps the traps handle when mounting and demounting

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1.1.3 Electronics

Communication module is to be placed above ground level



Repeater on PVC-kit



Repeater on Concretekit

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The Transmitter is encapsuled in the Outer container's top Back to <u>Generel</u>





1.1.3.1 Electronics systems drawing



The Communication module is sending data to Ratélcom via the GSMnetwork every hour

The Repeater collects the data From the transmitter and deliver it to the Communication module once every hour

The transmitter is continuosly sending data to the Repeater

Back to Generel



1.1.4 Mounting kit for PVC manhole



Extender for Ø 425 manhole

The extender lock i slided towards the extender, so that the mounting kit is securly fastened when the wing nut is tightened.

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1.1.5 Mounting kit for Concrete manhole

V-profile to catch the wire

Opening to the Mounting kits fixing bolt

Guiding rod lock

The guiding rod is used when the pipe is placed in the side of the manhole with a conical top piece



The Mounting kit is fittet to the diameter of the manhole, and the wing nut is thigtened





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Wing nut

1.1.6 Softwareplatform

Ratélcom- the softwareplatform is accessed from a normal browser via www.ratelcom.com

See the full guide to Ratélcom HERE

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1.1.7 APP

- The APP is dowloanded from where you normally dowload APPs for your phone.
 - APP store for Iphones
 - Google Play for Android Phones (Samsung, HTC, Sony etc.)
 - See the full guide for the APP <u>HERE</u>

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2. Preparation before mounting

2.1 Mount CO2 canister	<u>Go</u>
2.2 Choose Inlet	<u>Go</u>
2.3 Prepare electronics	<u>Go</u>
2.4 Mount the wire on the trap	<u>Go</u>
2.5 Create the trap in the APP	<u>Go</u>



2.1 Mount CO2 canister

 2.1.1 Take out the Lock pins 	<u>Go</u>
• 2.1.2 Lift of the Outer container	<u>Go</u>
 2.1.3 Insert the CO2 canister 	<u>Go</u>
• 2.1.4 Put back the Outer container	<u>Go</u>
• 2.1.5 Insert the Lock pins	<u>Go</u>
 NOTE that insert and replacement of the CO2 canister in Atex labeled equipment must NOT be performed within the Atex zones (zone classified areas). Bead about Atex zones HERE 	paration
B	ack to <mark>ST</mark>

2.1.1 Take out the Lock pins



Turn the Lock pins



Pull out the Lock pins

Back to Preparation





2.1.2 Lift of the Outer container



Back to Preparation





2.1.3 Insert the CO2 canister

Screw in the canister clockwise – the canister must be tightened *as quickly as possible* to avoid the CO2 from leaking out







2.1.4 Put back the Outer container



Back to Preparation





2.1.5 Insert the Lock pins



Mount the Lock pins from the front of the trap (the side with the nameplate)



Turn the Lock pins back in place





2.2 Choose and mount an Inlet

• 2.2.1 Pipe-size Ø160	<u>Go</u>
• 2.2.2 Pipe-size Ø200 - Ø500	<u>Go</u>
• 2.2.3 Bench Inlet	<u>Go</u>



2.2.1 Pipe-size Ø160

On the backside of the Ø160 Inlets is a little angle plate. These Inlets must therefore be angled into the trap, before the bolts can be fittet in the holes.





- Inlet is angled into the trap
- Inlet is put into place
- 3. Nuts are tightened



2.2.2 Pipe-size Ø200 - Ø500

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened



2.2.3 Bench Inlet

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened



2.3 Prepare electronics

 2.3.1 Loosen the Switch on the trap Go 2.3.2 Turn on the repeater Go 2.3.3 Consider where to place the Communication module – preferable max 10 metres from the manhole Go 2.3.4 Examples of possible placings of the Communication module Go $\langle \epsilon_x \rangle$ ALWAYS remember to use Atex-labeled equipment in Atex zones (zone-classified areas), as well as to check that all Atexlabeled devices are intact and correctly assembled before mounting in Atex zones Back to <u>Preparation</u> Read about Atex zones HERE



2.3.1 Loosen the Switch on the trap

The screw on the Switch is loosened, so that the switch can move freely.

Now the transmitter is active







2.3.2 Turn on the repeater

The Repeater is mounted on both the PVCand concrete-mounting-kit.

-Turn the red arm, and the repeater is on.

When the repeater is flashing red every fith second, it is syncronized correctly with the trap.



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2.3.3 Consider where to place the Communication module – preferable max 10 metres from the manhole



The Communication module is active from the production – no further actions



Communication module

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Consider where to place the Communication module – preferable max 10 metres form the manhole

Examples



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2.3.4 Examples of possible placings of the Communication module







2.4 Mounting the Wire

 Mount The wire on the trap using the snap hook on the spring handle





2.5 Create the trap in the APP

- 2.5.1 Click on the trap on the list or <u>Go</u> scan the QR code on the trap
- 2.5.2 Take pictures of the manhole Go and the surroundings
- 2.5.3 Choose Inlet size and change <u>Go</u> address
- 2.5.4 Click on "new position" and <u>Go</u> save

See the full guide for the APP <u>HERE</u>



Back to **START**

2.5.1 Click on the trap on the list or scan the QR code on the trap

or click "Mounting" to go to the QR-side

Traps	
Scan traps	
Search	Scan code
Traptype	▲ · · · · · · · · · · · · · · · · · · ·
Filter	
All	
• 🛦 1741000641	
• 🗸 17410 0681	
• 🗸 1743 00594	Click on the QR symbo
• 🗸 1741000604	
• \Lambda 17: 3000614 Fug ær 33 - Stenderup	
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• A 743000634 majerivej 1a - Sten	
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	Back to Preparatio



2.5.2 Take pictures of the manhole and surroundings as well as the chosen spot for the Communication module



First click on the foto icon "manhole" – take picture of manhole and surroundings and click "ok"

Second click on the foto icon "Com.Module"modul" – take picture of the chosen spot for the Communication module and click "ok"

Back to **Preparation**



2.5.3 Choose Inlet and change address



First Click the Inlet icon and choose Inlet type

Next click the icon "change address" and note the address

This field is a free text field and can therefore be used to note eg the manhole ID or other relevant issues.







2.5.4 Click on "new position" and save



Click on "new position" and await the green check mark

Click "Scan Com" to register the communication module

Click on save – now the trap is mounted in the APP

Back to Preparation

Back to **START**



3. Mounting

3.1 Mounting - Concrete manhole <u>Go</u>

3.2 Mounting - PVC manhole <u>Go</u>

3.3 Mounting – Bench trap <u>Go</u> – all manholes

NOTE that a valid authorization is required, under applicable legislation, to mount the RatTraps in the sewersystem

ALWAYS remember to use Atex-labeled equipment in Atex zones (zone-classified areas), as well as to check that all Atexlabeled devices are intact and correctly assembled before mounting in Atex zones Read about Atex zones <u>HERE</u>



3.1 Mounting in Concrete manhole

- 3.1.1 Decide if guiding rod is needed <u>Go</u>
- 3.1.2 Place the mounting kit <u>Go</u>
- 3.1.3 Mount the guiding rod <u>Go</u>
- 3.1.4 Lower down the trap <u>Go</u>
- 3.1.5 Catch the wire with the guiding rod <u>Go</u>
- 3.1.6 Lock the guiding rod with the fabric <u>Go</u> cord
- 3.1.7 The Mounting-hook is used to insert the trap in the pipe
- 3.1.8 Tighten the wire so the trap is fastened
 Go
- 3.1.9 Fasten the wire in the wire lock Mounting



<u>Go</u>

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3.1.1 Decide if guiding rod is needed



The guiding rod is used when the pipe is placed at the side of the manhole with a conical top piece (red arrow) – Otherwise there is no need for guiding rod (blue arrow)

Back to Mounting in Concrete manhole




3.1.2 Place the mounting kit



Place the mounting kit in the manhole, so it rests on the edge of the manhole



The width of the Mounting kit is adjustet to the manholes diameter. Slide out the supporting profile so it touches the side of the manhole. Tighten the wing nuts.







3.1.3 Mount the guiding rod

Loosen the nuts on the guiding rod and etend the guding rod to a proper length.

The Guding rod is passed through the Mounting kit's opening and fastened on the fixing bolt

Fixing bolt

Back to Mounting in Concrete manhole







3.1.4 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

The trap should be lowered down on that side of the mounting kit where the wire lock is placed.

The wire is fastened in the Wire lock so the trap is not dropped in the following steps.





3.1.5 Catch the wire with the guiding rod

If using a guiding rod - catch the wire with the guiding rod's V-shaped end.

Now the wire can be guided to the side of the manhole.









3.1.6 Lock the guiding rod with the fabric cord

If using a guiding rod - lock the guiding rod in its position with the fabric cord using the cord's lock.









3.1.7 The mounting-hook is used to insert the trap in the pipe

The wire is loosened a bit, and the mounting-hook is used to insert the trap in the pipe









3.1.8 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe









3.1.9 Fasten the wire in the wire lock







3.2 Mounting - PVC-manhole

 3.2.1 Lower down the trap 	<u>Go</u>
 3.2.2 Fasten the wire in the wire lock 	<u>Go</u>
 3.2.3 Place the mounting kit 	<u>Go</u>
 3.2.4 The mounting-hook is used to insert the trap in the pipe 	<u>Go</u>
 3.2.5 Tighten the wire so the trap is fastened 	<u>Go</u>
 3.2.6 Fasten the wire in the wire lock 	<u>Go</u>
Back to Mounting	

Back to **<u>START</u>**

3.2.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

Back to Mounting in PVC-manhole





3.2.2 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





3.2.3 Place the mounting kit

- The Mounting kit's triangular end is placed in the grooves in one side of the PVC-manhole.
- The extender is slided into to the grooves in the opposite side of the PVC-manhole.
- The extender lock with the Repeater is
 slided towards the extender and the
 wing nut is tightened.



Back to Mounting in PVC-manhole





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3.2.4 The mounting-hook is used to insert the trap in the pipe

The mounting-hook is used to insert the trap in the pipe



Back to Mounting in PVC-manhole







3.2.5 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in PVC-manhole







3.2.6 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





3.3 Mounting the Bench Trap All Manhole types

Place the trap so it touches the bench in tha bottom of the manhole

Tighthen the Wire as usual – see the sections concerning mounting in concrete and PVC manholes





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Go

4. Test of system

4.1 The magnet is passed over the green marking on the Communication module



4.1 The magnet is passed over the green marking on the Communication module



REMEBER that the manhole cover must be put back on, while doing the test!

Place yourself as close to the chosen spot as possible. Pass the magnet over the green spot on the Communication module – from the front towards the transparent backside.

Await **BLUE** lights on the module's backside

If NO **BLUE** lights you need to bring the module closer to the manhole

Now the unit will show a red light – when it turns of all lights, the unit is ready for mounting.

Back to Test of system





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5. Service

5.1 Demount the trap		C
5.1.1 PVC manhole		<u>G0</u>
5.1.2 Concrete manhole		<u>G0</u>
5.1.3 Bench Trap		<u> </u>
5.2 Change CO2 canister Inle	t size Ø160	<u>Go</u>
5.3 Change CO2 canister		<u>Go</u>
Inlet size Ø200-Ø500 and	bench trap	
5.4 Reset the killing counter		<u>Go</u>
5.5 Remount trap 5.5.1 PVC manhole 5.5.2 Concrete manhole 5.5.3 Bench Trap	NOTE that a valid authorization is required under applicable legislation to mount the RatTraps in the sewersystem ALWAYS remember to use Atex-labeled equipment in Atex zones (zone-classified areas), as well as to check that all Atex-labeled devices are intact and correctly assembled	<u>Go</u> <u>Go</u> <u>Go</u>
5.6 Note service in the APP	before mounting in Atex zones Read about Atex zones <u>HERE</u>	<u>G0</u>
5.7 Check if Communication module		<u>Go</u>
is in proper place		



5.1.1 Demounting From PVCmanhole

- 5.1.1.1 Loosen the wire so the trap <u>Go</u> is released from the pipe
- 5.1.1.2 The Mounting-hook is used <u>Go</u> to pull out the trap From the pipe
- 5.1.1.3 Take up Mounting kit <u>Go</u>
- 5.1.1.4 The trap is lifted up from <u>Go</u> the manhole

Back to Service



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5.1.1.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From PVC-manhole**





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5.1.1.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From PVC-manhole**





Back to **START**

5.1.1.3 Take up Mounting kit

- The wing nut is loosened
- 2 The extender lock with repeater is slided towards the triangular part
- 3 Take up the mounting kit



Back to **Demounting From PVC-manhole**





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5.1.1.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From PVC-manhole**





5.1.2 Demounting From Concrete manhole

Mounting kit can normally stay mounted under service in a concrete manhole

- 5.1.2.1 Loosen the wire so the trap is <u>Go</u> released from the pipe
- 5.1.2.2 The Mounting-hook is used to <u>Go</u> pull out the trap From the pipe
- 5.1.2.3 If necessary loosen the fabric cord so the guiding rod is free
- 5.1.2.4 The trap is lifted up from the manhole

<u>Go</u>

Go

Back to Service



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5.1.2.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From Concrete manhole**





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5.1.2.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From Concrete manhole**







5.1.2.3 If necessary loosen the fabric cord so the guiding rod is free



Back to **Demounting From Concrete manhole**







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5.1.2.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From Concrete manhole**





5.1.3 Lift up the Bench Trap

Loosen the Wire as usual – see the sections concerning demounting in concrete and PVC manholes.



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 5.2 Change CO2 canister Inlet 5.2.1 Demount Inlet 	size Ø160 <u>Go</u>
 5.2.2 Take out the Lock pins 	<u>Go</u>
• 5.2.3 Lift of the Outer container	<u>Go</u>
 5.2.4 Take out the CO2 canister 	<u>Go</u>
 5.2.5 Insert the CO2 canister 	<u>Go</u>
 5.2.6 Put back the Outer container 	<u>Go</u>
 5.2.7 Insert the Lock pins 	<u>Go</u>
 5.2.8 Remount Inlet (Ex) NOTE that insert and replacement of the CO2 canister 	<u>Go</u>

Back to Service



in Atex labeled equipment must

Atex zones (zone classified areas).

NOT be performed within the

Read about Atex zones HERE

5.2.1 Demount Inlet

On the backside of the Ø160 Inlets is a little angle plate. These Inlets must therefore be angled out of the trap, *after* the bolts are released from the holes.





- 1. Loosen the nuts
- Pull bacwords the bolts
- 3. Angle the inlet out from the trap

Back to Change CO2





5.2.2 Take out the Lock pins



Turn the Lock pins



Pull out the Lock pins

Back to Change CO2





5.2.3 Lift of the Outer container



Back to Change CO2





5.2.4 Take out the CO2 canister

Screw out the canister counter clockwise – If there are CO2 left in the canister, it will now seep out – leaving the canister VERY COLD



Back to Change CO2





5.2.5 Insert the CO2 canister

Screw in the canister clockwise – the canister must be tightened *as quickly as possible* to avoid the CO2 from leaking out



Back to Change CO2




5.2.6 Put back the Outer container



Back to Change CO2





5.2.7 Insert the Lock pins



Mount the Lock pins from the front of the trap (the side with the nameplate)



Turn the Lock pins back in place

Back to Change CO2





5.2.8 Remount Inlet

On the backside of the Ø160 Inlets is a little angle plate. These Inlets must therefore be angled into the trap, before the bolts can be fittet in the holes.





- Inlet i angled into the trap
- Inlet is put into place
- 3. Nuts are tightened

Back to Change CO2





5.4 Reset the killing counter

Move the contactarm slowly over the contact with a light push. Hold it for app. 3 seconds – whereafter slowly letting the contactarm go back to it's "on" position.

Now the killing counter is reset.



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5.3 Change CO2 canister Inlet size Ø200-Ø500 and Bench Inlet • 5.3.1 Take out the Lock pins Go • 5.3.2 Lift of the Outer container Go 5.3.3 Take out the CO2 canister Go 5.3.4 Insert the CO2 canister Go • 5.3.5 Put back the Outer container <u>Go</u> 5.3.6 Insert the Lock pins Go **Ex** NOTE that insert and replacement of the CO2 canister in Atex labeled equipment must NOT be performed within the Atex zones (zone classified areas). Back to Service Read about Atex zones HERE Back to **START**

5.3.1 Take out the Lock pins



Turn the Lock pins



Pull out the Lock pins

Back to Change CO2





5.3.2 Lift of the Outer container



Back to Change CO2





5.3.3 Take out the CO2 canister

Screw out the canister counter clockwise – If there are CO2 left in the canister, it will now seep out – leaving the canister VERY COLD



Back to Change CO2





5.3.4 Insert the CO2 canister

Screw in the canister clockwise – the canister must be tightened *as quickly as possible* to avoid that the CO2 seeps out



Back to Change CO2





5.3.5 Put back the Outer container



Back to Change CO2





5.3.6 Insert the Lock pins



Mount the Lock pins from the front of the trap (the side with the nameplate)



Turn the Lock pins back in place

Back to Change CO2





5.4 Reset the killing counter

Move the contactarm slowly over the contact with a light push. Hold it for app. 3 seconds – whereafter slowly letting the contactarm go back to it's "on" position.

Now the killing counter is reset.



Back to Service



5.5.1 Mounting in PVC-manhole

 5.5.1.1 Lower down the trap 	<u>Go</u>
 5.5.1.2 Fasten the wire in the wire lock 	60
	<u>uu</u>
 5.5.1.3 Place the mounting kit 	<u>Go</u>
 5.5.1.4 The mounting-hook is used to insert the trap in the pipe 	<u>Go</u>
 5.5.1.5 Tighten the wire so the trap is fastened 	<u>Go</u>
• 5.5.1.6 Fasten the wire in the wire	
lock	<u>Go</u>
Back to <u>Service</u>	



5.5.1.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

Back to Mounting in PVC-manhole





5.5.1.2 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole







5.5.1.3 Place the mounting kit

- The Mounting kit's triangular end is
 placed in the grooves in one side of the PVC-manhole.
- The extender is slided into to the grooves in the opposite side of the PVC-manhole.
- The extender lock with the Repeater is
 slided towards the extender and the
 wing nut is tightened.



Back to Mounting in PVC-manhole





5.5.1.4 The mounting-hook is used to insert the trap in the pipe

The mounting-hook is used to insert the trap in the pipe



Back to Mounting in PVC-manhole







5.5.1.5 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in PVC-manhole







5.5.1.6 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





5.5.2 Mounting in Concrete manhole

- 5.5.2.1 Lower down the trap <u>Go</u>
- 5.5.2.2 The mounting-hook is used to <u>Go</u> insert the trap in the pipe
- 5.5.2.3 Tighten the wire so the trap is <u>Go</u> fastened
- 5.5.2.4 Fasten the wire in the wire lock <u>Go</u>

Back to Service



5.5.2.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

The trap should be lowered down on that side of the mounting kit where the wire lock is placed.

The wire is fastened in the Wire lock so the trap is not dropped in the following steps.

Back to Mounting in Concrete manhole





5.5.2.2 The mounting-hook is used to insert the trap in the pipe

The wire is loosened a bit, and the mounting-hook is used to insert the trap in the pipe



Back to Mounting in Concrete manhole







5.5.2.3 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in Concrete manhole







5.5.2.4 Fasten the wire in the wire lock







5.5.3 Mounting the Bench Trap All Manhole types

Place the trap so it touches the bench in tha bottom of the manhole

Tighthen the Wire as usual – see the sections concerning mounting in concrete and PVC manholes







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5.6 Note service in the APP



See the full guide to note service in the APP <u>HERE</u>

Back to Service



5.7 Check if Communication module is in proper place



Back to Service



6. Demounting

6.1 Demounting From Concrete manhole <u>Go</u>

6.2 Demounting From PVC manhole <u>Go</u>

6.3 Demounting Bench Trap <u>Go</u>



6.1 Demounting From Concrete manhole

- 6.1.1 Loosen the wire so the trap is <u>Go</u> released from the pipe
- 6.1.2 The Mounting-hook is used to <u>Go</u> pull out the trap From the pipe
- 6.1.3 If necessary loosen the fabric cord so the guiding rod is free <u>Go</u>
- 6.1.4 The trap is lifted up from the manhole
- 6.1.5 Take up Mounting kit <u>Go</u>

Back to **Demounting**



6.1.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From Concrete manhole**





6.1.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From Concrete manhole**







6.1.3 If necessary loosen the fabric cord so the guiding rod is free

Fabric cord



Back to **Demounting From Concrete manhole**







6.1.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From Concrete manhole**







6.1.5 Take up Mounting kit



Loosen the Wing nuts so that the supporting profile can slide back and the mounting kit can adjust to a smaller width.



Take up the mounting kit

Back to **Demounting From Concrete manhole**





6.2 Demounting From PVCmanhole

- 6.2.1 Loosen the wire so the trap is <u>Go</u> released from the pipe
- 6.2.2 The Mounting-hook is used <u>Go</u> to pull out the trap From the pipe
- 6.2.3 Take up Mounting kit <u>Go</u>
- 6.2.4 The trap is lifted up from the <u>Go</u> manhole

Back to **Demounting**



6.2.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From PVC-manhole**




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6.2.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From PVC-manhole**







6.2.3 Take up Mounting kit

- The wing nut is loosened
- 2 The extender lock with repeater is slided towards the triangular part
- 3 Take up the mounting kit



Back to **Demounting From PVC-manhole**





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6.2.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From PVC-manhole**





6.3 Lift up the Bench Trap

Loosen the Wire as usual – see the sections concerning demounting in concrete and PVC manholes.







Back to **START**

7. New Location

7.1 Demount the trap7.1.1 PVC manhole7.1.2 Concrete manhole7.1.3 Bench Trap		<u>Go</u> <u>Go</u> <u>Go</u>
7.2 Fix the contactarm over the contact on the trap		<u>Go</u>
7.3 Demount the trap in the APP		<u>Go</u>
7.4 Turn off the repeater		<u>Go</u>
7.5 Take down the Communication module		<u>Go</u>
7.6 Move all parts to the new location		<u>Go</u>
7.7 Prepare the trap for mounting NOTE that a valid authorization is required under applicable		<u>Go</u>
7.8 Remount trap7.8.1 PVC manhole7.8.2 Concrete manhole7.8.3 Bench Trap	legislation to mount the RatTraps in the sewersystem ALWAYS remember to use Atex- labeled equipment in Atex zones (zone-classified areas), as well as to check that all Atex-labeled devices are intact and correctly assembled before mounting in Atex zones Read about Atex zones <u>HERE</u>	<u>Go</u> <u>Go</u> <u>Go</u>

7.1.1 Demounting From PVCmanhole

- 7.1.1.1 Loosen the wire so the trap <u>Go</u> is released from the pipe
- 7.1.1.2 The Mounting-hook is used <u>Go</u> to pull out the trap From the pipe
- 7.1.1.3 Take up Mounting kit <u>Go</u>
- 7.1.1.4 The trap is lifted up from <u>Go</u> the manhole

Back to New Location



Ratél

7.1.1.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From PVC-manhole**





Ratél

7.1.1.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From PVC-manhole**







7.1.1.3 Take up Mounting kit

- The wing nut is loosened
- 2 The extender lock with repeater is slided towards the triangular part
- 3 Take up the mounting kit



Back to **Demounting From PVC-manhole**





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7.1.1.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From PVC-manhole**





7.1.2 Demounting From Concrete manhole

- 7.1.2.1 Loosen the wire so the trap is <u>Go</u> released from the pipe
- 7.1.2.2 The Mounting-hook is used to <u>Go</u> pull out the trap From the pipe
- 7.1.2.3 If necessary loosen the fabric cord so the guiding rod is free <u>Go</u>
- 7.1.2.4 The trap is lifted up from the manhole
- 7.1.2.5 Take up Mounting kit <u>Go</u>

Back to New Location

Back to **START**

Go

Ratél

7.1.2.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From Concrete manhole**





Ratél

7.1.2.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From Concrete manhole**







7.1.2.3 If necessary loosen the fabric cord so the guiding rod is free

Fabric cord



Back to **Demounting From Concrete manhole**







Rat<mark>él</mark>

7.1.2.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From Concrete manhole**







7.1.2.5 Take up Mounting kit



Loosen the Wing nuts so that the supporting profile can slide back and the mounting kit can adjust to a smaller width.



Take up the Mounting kit

Back to **Demounting From Concrete manhole**





7.1.3 Lift up the Bench Trap

Loosen the Wire as usual – see the sections concerning demounting in concrete and PVC manholes.







7.2 Fix the contactarm over the contact on the trap

Now the transmitter is turned off



Back to New Location





7.3 Demount the trap in the APP



Back to New Location





7.4 Turn off the repeater

The Repeater is mounted on the mounting kits both PVC and concrete

Turn the arm – then the reapeter is turned off



Back to New Location





7.5 Take down the Communication module



If you can not find the Communication module, use the APP pictures to see the locations

The Communication module is not to be turned off. It can be transported to the new location without further actions.

Back to New Location





7.6 Move all parts to the new location

REMEBER:

- 1. Fix the contactarm over the contact on the trap
- 2. Turn off the repeater
- 3. Clean relevant parts before moving









7.7 Preparation before mounting

7.7.1 Mount CO2 canister	<u>Go</u>
7.7.2 Choose Inlet	<u>Go</u>
7.7.3 Prepare electronics	<u>Go</u>
7.7.4 Mount the wire on the trap	<u>Go</u>
7.7.5 Create the trap in the APP	<u>Go</u>

Back to New Location



7.7.1 Mount CO2 canister

 7.7.1.1 Take out the Lock pins 	<u>Go</u>
• 7.7.1.2 Lift of the Outer container	Go
 7.7.1.3 Insert the CO2 canister 	Go
• 7.7.1.4 Put back the Outer container	<u>Go</u>
• 7.7.1.5 Insert the Lock pins	<u>Go</u>
 NOTE that insert and replacement of the CO2 canister in Atex labeled equipment must NOT be performed within the Atex zones (zone classified areas). Read about Atex zones HERE Back to Prepa 	<u>ration</u>



7.7.1.1 Take out the Lock pins



Turn the Lock pins



Pull out the Lock pins

Back to Preparation





7.7.1.2 Lift of the Outer container



Back to Preparation





7.7.1.3 Insert the CO2 canister

Screw in the canister clockwise – the canister must be tightened *as quickly as possible* to avoid the CO2 from leaking out



Back to Preparation





Ratél

7.7.1.4 Put back the Outer container



Back to Preparation





7.7.1.5 Insert the Lock pins



Mount the Lock pins from the front of the trap (the side with the nameplate)



Turn the Lock pins back in place

Back to Preparation





7.7.2 Choose and mount an Inlet

• 7.7.2.1 Pipe-size Ø160	<u>Go</u>
• 7.7.2.2 Pipe-size Ø200 - Ø500	<u>Go</u>
• 7.7.2.3 Bench Inlet	<u>Go</u>

Back to Preparation



7.7.2.1 Pipe-size Ø160

On the backside of the Ø160 Inlets is a little angle plate. These Inlets must therefore be angled into the trap, before the bolts can be fittet in the holes.





- Inlet is angled into the trap
- Inlet is put into place
- 3. Nuts are tightened





7.7.2.2 Pipe-size Ø200 - Ø500

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened

Back to Preparation



7.7.2.3 Bench Inlet

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened

Back to Preperation



Back to **START**

7.7.3 Prepare electronics • 7.7.3.1 Loosen the Switch on the trap Go 7.7.3.2 Turn on the repeater <u>Go</u> 7.7.3.3 Consider where to place the Communication module - max 10 Go metres form the manhole • 7.7.3.4 Examples of possible placings Go of the Communication module **Ex** ALWAYS remember to use Atex-labeled equipment in Atex zones (zone-classified areas), as well as to check that all Atexlabeled devices are intact and correctly assembled before mounting in Atex zones Back to Preparation Read about Atex zones HERE

7.7.3.1 Loosen the Switch on the trap

The screw on the Switch is loosened, so that the switch can move freely.

Now the transmitter is active



Back to Preparation





7.7.3.2 Turn on the repeater

The Repeater is mounted on the mounting kits both PVC and concrete

Turn the arm – then the reapeter is turned on

When the repeater is flashing red every fith second, it is syncronized correctly with the trap.



Back to Preparation




7.7.3.3 Consider where to place the Communication module - max 10 metres form the manhole



The Communication module is active from the production – no further actions



Communication module

Consider where to place the Communication module - max 10 metres form the manhole

Examples



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7.7.3.4 Examples of possible placings of the Communication module







7.7.4 Mounting the Wire

 Mount The wire on the trap using the snap hook on the spring handle





7.7.5 Create the trap in the APP

- 7.7.5.1 Click on the trap on the list <u>Go</u> or scan the QR code on the trap
- 7.7.5.2 Take pictures of the manhole <u>Go</u> and surroundings as well as the chosen spot for the Communication module
- 7.7.5.3 Choose Inlet and Change <u>Go</u> address
- 7.7.5.4 Click on "new position" and <u>Go</u> save

See the full guide to the APP <u>HERE</u> Back to <u>Preparation</u>



7.7.5.1 Click on the trap on the list or scan the QR code on the trap

or click "Mounting" to go to the QR-side

Scan code
Scan code
▲
Click on the QR symbo
iii 🔐 😯 🕞





7.7.5.2 Take pictures of the manhole and surroundings as well as the chosen spot for the Communication module



First click on the foto icon "manhole" – take picture of manhole and surroundings and click "ok"

Second click on the foto icon "Com.Module"modul" – take picture of the chosen spot for the Communication module and click "ok"

Back to **Preparation**



7.7.5.3 Choose Inlet and change address



First Click the Inlet icon and choose Inlet type

Next click the icon "change address" and note the address

This field is a free text field and can therefore be used to note eg the manhole ID or other relevant issues.





7.7.5.4 Click on "new position" and save



Click on "new position" and await the green check mark

Click "Scan Com" to register the communication module

Click on save – now the trap is mounted in the APP



7.8.1 Mounting in PVC-manhole

• 7.8.1.1 Lower down the trap	<u>Go</u>	
• 7.8.1.2 Fasten the wire in the wire		
IOCK	<u>Go</u>	
 7.8.1.3 Place the mounting kit 	<u>Go</u>	
 7.8.1.4 The mounting-hook is used to insert the trap in the pipe 	<u>Go</u>	
 7.8.1.5 Tighten the wire so the trap is fastened 	Go	
• 7.8.1.6 Fasten the wire in the wire		
ЮСК	<u>Go</u>	
Back to <u>New Location</u>		

Back to **<u>START</u>**

7.8.1.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

Back to Mounting in PVC-manhole





7.8.1.2 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





7.8.1.3 Place the mounting kit The Mounting kit's triangular end is

- placed in the grooves in one side of the PVC-manhole.
- The extender is slided into to the grooves in the opposite side of the PVC-manhole.
- The extender lock with the Repeater is
 slided towards the extender and the
 wing nut is tightened.



Back to Mounting in PVC-manhole





7.8.1.4 The mounting-hook is used to insert the trap in the pipe

The mounting-hook is used to insert the trap in the pipe



Back to Mounting in PVC-manhole







7.8.1.5 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in PVC-manhole







7.8.1.6 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





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7.8.2 Mounting in Concrete manhole

- 7.8.2.1 Decide if guiding rod is needed Go 7.8.2.2 Place the mounting kit Go 7.8.2.3 Mount the guiding rod Go Go 7.8.2.4 Lower down the trap 7.8.2.5 Catch the wire with the guiding rod Go • 7.8.2.6 Lock the guiding rod with the fabric GO cord Go 7.8.2.7 The mounting-hook is used to insert the trap in the pipe Go • 7.8.2.8 Tighten the wire so the trap is fastened Go
- 7.8.2.9 Fasten the wire in the wire lock
 Back to <u>New Location</u>



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7.8.2.1 Decide if guiding rod is needed



The guiding rod is used when the pipe is placed in the side of the manhole with a conical top piece (red arrow) – Otherwise there is no need for guiding rod (blue arrow)





7.8.2.2 Place the mounting kit



Place the mounting kit in the manhole so it rests on the edge of the manhole



The width of the Mounting kit is adjustet to the manholes diameter. Slide out the supporting profile so it touches the side of the manhole. Tighten the wing nuts.

Back to Mounting in Concrete manhole





Back to **START**

7.8.2.3 Mount the guiding rod

Loosen the nuts on the guiding rod and etend the guding rod to a proper length.

The Guding rod is passed through the Mounting kit's opening and fastened on the fixing bolt

Fikseringsbolt







7.8.2.4 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

The trap should be lowered down on that side of the mounting kit where the wire lock is placed.

The wire is fastened in the Wire lock so the trap is not dropped in the following steps.







7.8.2.5 Catch the wire with the guiding rod

If using a guiding rod - catch the wire with the guiding rod's V-shaped end.

Now the wire can be guided to the side of the manhole.









7.8.2.6 Lock the guiding rod with the fabric cord

If using a guiding rod - lock the guiding rod in its position with the fabric cord using the cord's lock.









7.8.2.7 The mounting-hook is used to insert the trap in the pipe

The wire is loosened a bit, and the mounting-hook is used to insert the trap in the pipe









7.8.2.8 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe









7.8.2.9 Fasten the wire in the wire lock







7.8.3 Mounting the Bench Trap All Manhole types

Place the trap so it touches the bench in tha bottom of the manhole

Tighthen the Wire as usual – see the sections concerning mounting in concrete and PVC manholes







8. Repair – changing the outer container/transmitter

8.1 Demount the trap		
8.1.1 PVC manhole		<u>GO</u>
8.1.2 Concrete manhole		<u>G0</u>
8.1.3 Bench Trap		<u>Go</u>
8.2 Fix the contactarm over to contact on the trap	the	<u>Go</u>
8.3 Prepare the new trap		<u>Go</u>
8.4 Use the "change trap" fu	Inction	<u>Go</u>
in the APP	NOTE that a valid authorization is required under	
8.5 Mount the new trap	applicable legislation to mount the RatTraps in	
8.5.1 PVC manhole	ALWAYS remember to use Atex-	<u>Go</u>
8.5.2 Concrete manhole	Iabeled equipment in Atex zones (zone-classified areas), as well as to check that all Atex-labeled dovices	<u>Go</u>
8.5.3 Bench Trap	are intact and correctly assembled before mounting in Atex zones	<u>Go</u>



Read about Atex zones HERE

8.1.1 Demounting From PVCmanhole

- 8.1.1.1 Loosen the wire so the trap <u>Go</u> is released from the pipe
- 8.1.1.2 The Mounting-hook is used <u>Go</u> to pull out the trap From the pipe
- 8.1.1.3 Take up Mounting kit <u>Go</u>
- 8.1.1.4 The trap is lifted up from <u>Go</u> the manhole

Back to Changing outer container



8.1.1.1 Loosen the wire so the trap is released from the pipe



Back to **Demounting From PVC-manhole**





8.1.1.2 The Mounting-hook is used to pull out the trap From the pipe



Back to **Demounting From PVC-manhole**







8.1.1.3 Take up Mounting kit

- The wing nut is loosened
- 2 The extender lock with repeater is slided towards the triangular part
- 3 Take up the mounting kit



Back to **Demounting From PVC-manhole**





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8.1.1.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From PVC-manhole**





8.1.2 Demounting From Concrete manhole

Mounting kit can normally stay mounted under service in a concrete manhole

- 8.1.2.1 Loosen the wire so the trap is <u>Go</u> released from the pipe
- 8.1.2.2 The Mounting-hook is used to <u>Go</u> pull out the trap From the pipe
- 8.1.2.3 If necessary loosen the fabric cord so the guiding rod is free <u>Go</u>
- 8.1.2.4 The trap is lifted up from the manhole

Back to Changing outer container



Go

8.1.2.1 Loosen the wire so the trap is released from the pipe



Back to Demounting From Concrete manhole





8.1.2.2 The Mounting-hook is used to pull out the trap From the pipe



Back to Demounting From Concrete manhole







8.1.2.3 If necessary loosen the fabric cord so the guiding rod is free

Fabric cord



Back to **Demounting From Concrete manhole**






8.1.2.4 The trap is lifted up from the manhole





Using the Mountinghook the trap is lifted up from the manhole

Back to **Demounting From Concrete manhole**





8.1.3 Lift up the Bench Trap

Loosen the Wire as usual – see the sections concerning demounting in concrete and PVC manholes.







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8.2 Fix the contactarm over the contact on the trap

Never attempt to repair Atex-labeled equipment yourself. Read more about Atex <u>HERE</u>



Back to Changing outer container





8.3 Prepare the new trap

8.3.1 Mount CO2 canister (if necessary)	<u>Go</u>
8.3.2 Mount Inlet on new Outer container	<u>Go</u>
8.3.3 Prepare electronics	<u>Go</u>
8.3.4 Mount the wire on the trap	<u>Go</u>

Back to Changing outer container



Back to **START**

8.3.1 Mount CO2 canister

 8.3.1.1 Take out the Lock pins 	<u>Go</u>
• 8.3.1.2 Lift of the Outer container	<u>Go</u>
 8.3.1.3 Insert the CO2 canister 	<u>Go</u>
 8.3.1.4 Put back the Outer container 	<u>Go</u>
 8.3.1.5 Insert the Lock pins NOTE that insert and replacement of the CO2 canister in Atex labeled equipment must NOT be performed within the Atex zones (zone classified areas). Read about Atex zones HERE 	<u>Go</u>

8.3.1.1 Take out the Lock pins



Turn the Lock pins



Pull out the Lock pins

Back to Preparation





8.3.1.2 Lift of the Outer container



Back to Preparation





8.3.1.3 Insert the CO2 canister

Screw in the canister clockwise – the canister must be tightened *as quickly as possible* to avoid the CO2 from leaking out







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8.3.1.4 Put back the Outer container



Back to Preparation





8.3.1.5 Insert the Lock pins



Mount the Lock pins from the front of the trap (the side with the nameplate)



Turn the Lock pins back in place





8.3.2 Choose and mount an Inlet

• 8.3.2.1 Pipe-size Ø160	<u>Go</u>
• 8.3.2.2 Pipe-size Ø200 - Ø500	<u>Go</u>
• 8.3.2.3 Bench Inlet	<u>Go</u>



8.3.2.1 Pipe-size Ø160

On the backside of the Ø160 Inlets is a little angle plate. These Inlets must therefore be angled into the trap, before the bolts can be fittet in the holes.





- Inlet is angled into the trap
- Inlet is put into place
- 3. Nuts are tightened





8.3.2.2 Pipe-size Ø200 - Ø500

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened



8.3.2.3 Bench Inlet

The Inlet is put into place and fastened with the nuts.



- 1. Inlet is put into place
- Nuts are tightened



8.3.3 Loosen the Switch on the trap

The screw on the Switch is loosened, so that the switch can move freely.

Now the transmitter is active





8.3.4 Mounting the Wire

 Mount The wire on the trap using the snap hook on the spring handle





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8.4 Use the "change trap" function in the APP



See the full guide to the change function in the APP <u>HERE</u>

Back to Changing outer container





8.5.1 Mounting in PVC-manhole

 8.5.1.1 Lower down the trap 	<u>Go</u>
 8.5.1.2 Fasten the wire in the wire lock 	6.
	<u>G0</u>
 8.5.1.3 Place the mounting kit 	<u>Go</u>
 8.5.1.4 The mounting-hook is used to insert the trap in the pipe 	<u>Go</u>
 8.5.1.5 Tighten the wire so the trap is fastened 	<u>Go</u>
• 8.5.1.6 Fasten the wire in the wire	
ΙΟϹΚ	<u>Go</u>

Back to Changing outer container



8.5.1.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

Back to Mounting in PVC-manhole





8.5.1.2 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





8.5.1.3 Place the mounting kit

- The Mounting kit's triangular end is
 placed in the grooves in one side of the PVC-manhole.
- The extender is slided into to the grooves in the opposite side of the PVC-manhole.
- The extender lock with the Repeater is
 slided towards the extender and the
 wing nut is tightened.



Back to Mounting in PVC-manhole





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8.5.1.4 The mounting-hook is used to insert the trap in the pipe

The mounting-hook is used to insert the trap in the pipe



Back to Mounting in PVC-manhole







8.5.1.5 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in PVC-manhole







8.5.1.6 Fasten the wire in the wire lock



Back to Mounting in PVC-manhole





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8.5.2 Mounting in Concrete manhole

- 8.5.2.1 Lower down the trap <u>Go</u>
- 8.5.2.2 The mounting-hook is used to <u>Go</u> insert the trap in the pipe
- 8.5.2.3 Tighten the wire so the trap is <u>Go</u> fastened
- 8.5.2.4 Fasten the wire in the wire lock <u>Go</u>

Back to Changing outer container



8.5.2.1 Lower down the trap





Using the Mountinghook the trap is lowered down the manhole.

The trap should be lowered down on that side of the mounting kit where the wire lock is placed.

The wire is fastened in the Wire lock so the trap is not dropped in the following steps.

Back to Mounting in Concrete manhole





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8.5.2.2 The mounting-hook is used to insert the trap in the pipe

The wire is loosened a bit, and the mounting-hook is used to insert the trap in the pipe



Back to Mounting in Concrete manhole







8.5.2.3 Tighten the wire so the trap is fastened

The wire is tightened so the spring in the spring handle is stretched so that you have a proper pull

Now the trap is kept tight and thereby fastened in the pipe



Back to Mounting in Concrete manhole







8.5.2.4 Fasten the wire in the wire lock







8.5.3 Mounting the Bench Trap All Manhole types

Place the trap so it touches the bench in tha bottom of the manhole

Tighthen the Wire as usual – see the sections concerning mounting in concrete and PVC manholes







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9. APP

9.1 Download and Login	<u>Go</u>
9.2 Mount new trap	<u>Go</u>
9.3 Service trap	<u>Go</u>
9.4 Demount trap	<u>Go</u>
9.5 Change trap	<u>Go</u>
9.6 Move trap	<u>Go</u>
9.7 Alarms	<u>Go</u>
9.8 Help	<u>Go</u>



9.1 Download and Login



The APP is dowloanded from where you normally dowload APPs for your phone.

APP store for Iphones Google Play for Android Phones (Samsung, HTC, Sony etc.)

When the APP is downloaded, the logo will look as shown on the picture

Now the APP is ready for use and is opened by clicking the logo





Ratél

9.1.1 Login

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Jsb@ratel.c	lk			
•••••				
Save pass	sword?			
		Log in		

The login informations are received on e-mail, when you have been created as a user in Ratélcom's webplatform

The login informations are typed in the boxes – now click Login to enter the APP





Rat<mark>él</mark>

9.2 Mount new trap

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Traps

Scan traps	
Search	
Тгартуре	
RatTrap ET20	•
Filter	
All	•
• 🛦 1741000641	
• 🗸 1741000681	
• 🗸 1743000594	
• 🗸 1743000604	
• 🛦 1743000614 Fuglkær 33 - Stenderup	
• 🗸 1743000624	
• 🛦 1743000634 Gl majerivej 1a - Sten	

On this side you choose if you will find the trap to be monted via the list or the QR code

Choosing the list – start choosing the trap type

Choosing QR code-Click on "Mounting"





9.2.1 Choose trap type

F	× ··				℁ ⁴⁶ ,⊪	97% 🛢 06.08	8	
Tr	aps							
			Scan	traps				
S	earch							
Tra	ptype							-
	choose	trap type				•	Choose "Rat Irap E	
Ē	Cho	ose tra	ap type				20"	
	Rate	ET10)			0		
	Bloc	k trap				0		
	Rat	「rap E⊺	Г20			0		
		:		8	•			

Back to <u>APP</u>



Back to **START**

9.2.2 List view

P • •

Traps	
Scan traps	
Search	
Traptype RatTrap ET20	T
Filter All	v
• 🔺 1741000641	
• 🗸 1741000681	
• 🗸 1743000594	
• 🗸 1743000604	
• A 1743000614 Fuglkær 33 - Stenderup Replace trap? Trap active?	No Yes
Show	

శ ⁴⁶ ւլ| 97% **■** 06.09

You can use the search function to find a trap – ypu need to type 3 digits before the search starts

Click on the chosen trap on the list, and click "Show"




Ratél

9.2.3 QR kode

F (S		։ ℁ ⊭, ւ∎ 63% 🖬 18.2	1
	🖌 1700m		
	Scan code		

Click on the QR code icon

Scan the QR code and click "OK"



Back to <u>APP</u>



Back to **START**

Rat<mark>él</mark>

9.2.4 Take pictures of the manhole and surroundings as well as the chosen spot for the Communication module



First click on the foto icon "manhole" – take picture of manhole and surroundings and click "ok"

Second click on the foto icon "Com.Module"modul" – take picture of the chosen spot for the Communication module and click "ok"





9.2.5 Choose Inlet and change address



First Click the Inlet icon and choose Inlet type

Next click the icon "change address" and note the address

This field is a free text field and can therefore be used to note eg. the manhole ID or other relevant issues.





9.2.6 Click on "new position" and save



Click on "new position" and await the green check mark

Click "Scan Com" to register the communication module

Click on save – now the trap is mounted in the APP





Ratél

9.3 Service function

	℁ ∰ .n 97% ∎ 06.09
Trans	
Scan tran	s
Search	
RatTrap ET20	×
Filter	
All	v
• 🔺 1741000641	
• 🗸 1741000681	
● ✔ 1743000594	
• 🗸 1743000604	
• A 1743000614 Fuglkær 33 - Stenderup	
Replace trap?	No
Trap active?	Yes
Show	V
ويعديه فنفتني فتشتبن فللم	

You can use the search function to find a trap – ypu need to type 3 digits before the search starts

Click on the trap, that needs service – chosing either the list view or the QR code





9.3.1 Scroll down and click "Service"

ID- Address Gre Kills This data Komi	number 18100002 vensgade 26 4220 since CO2 change a is from 4-1-2019 m-module 184600 virections - Press her	 ♣ ♣ 93% ■ 15.28 238 b Korsør "By" ed: 0 kl. 15.27 1024 	
Inlet Scan Komm	Change address Change address Manhole Demount	Position Position Com. module Save changes	When the trap is displayed scroll to the bottom and click the grey bar "Service"
Service		11/2/2018	
Notificatio	ons		
	 ?	•	







9.3.2 Do Service and tick the tasks (also se the next page)



Take picture if relevant

Tick "Yes" in the boxes as the tasks are done

Tick "yes" if the trap is removed – "no" if not

Note if anything to note





Ratél

9.3.3 Save Service



Last – scroll down to the bottom of the view and click "Save"

Now the service report is availble in Ratélcom's webplatform

Back to <u>APP</u>





Ver. 1.7 - 01.12.2019

9.4 Demount trap

Scan traps	.
Search	
raptype	
RatTrap ET20	
ilter	
All	٣
• 🔺 1741000641	
• 🗸 1741000681	
• 🗸 1743000594	
• 🗸 1743000604	
 A 1743000614 Fuglkær 33 - Stenderup Replace trap? Trap active? 	No Yes
Show	

You can use the search function to find a trap – ypu need to type 3 digits before the search starts

Click on the trap, that needs demount – chosing either the list view or the QR code





9.4.1 Click "Demount"







9.4.2 Confirm Demounting







9.5 Replace trap with another trap

rans	
Scan trap	S
Search	
raptype]
RatTrap ET20	¥
ïlter	
All	v
• 🛕 1741000641	
● ✔ 1741000681	
● ✔ 1743000594	
● ✔ 1743000604	
• A 1743000614 Fuglkær 33 - Stenderup Replace trap?	No
Trap active?	Yes
Show	

You can use the search function to find a trap – ypu need to type 3 digits before the search starts

Click on the trap, that needs to be changed – chosing either the list view or the QR code





Rat<mark>él</mark>

9.5.1 Scroll down and choose "Service"



Back to APP



Back to **START**

9.5.2 Scroll down – and tick as shown



Click "Yes" for "trap removed" and click "Yes" for "trap replaced"

Then choose the new trap - either from the list view or the QR code

Click "Save"

If you click "No" for "trap replaced" the trap will be normally demounted





Ratél

9.6 Move trap



Scan traps	
Search	
Traptype	
RatTrap ET20	*
Filter	
All	*
• 🛦 1741000641	
● ✔ 1741000681	
• 🗸 1743000594	
• 🗸 1743000604	
• 🛕 1743000614	
Fuglkær 33 - Stenderup	
Replace trap?	No
Trap active?	Yes
Show	

Demount the trap as shown in section 9.4

Move the trap to the new position

Mount the trap as shown in section 9.2

Back to <u>APP</u>



Ver. 1.7 - 01.12.2019

Ratél

9.7 Alarms

1 02 M ··	≵ 🚏 տի 97% 🛢 06.08
Traps	
Scan traps	
TI AII	\odot
Alarms	0
CO2 alarms	0
Active	Ο
Inactive	0
No response	0
Awaits	0
• 🔺 1743000634 Gl majerivej 1a - Sten	
	•

Choose trap type

Use the filter to show which traps are having an alarm

Click on a trap with alarm, to see the details





9.7.1 Deal with the alarm



Scroll to the bottom of the view and click "notifications" to see the alarms

Deal with the alarm by doing a "Service"

Back to <u>APP</u>





Ver. 1.7 - 01.12.2019

9.8 Help

🖪 (S ^{4G} , II 93% **■** 15.28 ID-number 1810000238 Address Grevensgade 26 4220 Korsør "By" Kills since CO2 changed: 0 This data is from 4-1-2019 kl. 15.27 Komm-module 1846001024 **Directions - Press here** Inlet Change address Position 0 0 Scan Komm Manhole Com. module Back Demount Save changes 쁢 ?

By clicking "?" you access the full manual for RatTrap ET20 Choose "download file" on android phones for activating the manual's link functions



Ratél

10. Ratélcom

10. 1 Ratélcom for Representatives	<u>Go</u>
10.2 Ratélcom for End Customer	<u>Go</u>
10.3 Ratélcom for Technicians	<u>Go</u>



Ver. 1.7 - 01.12.2019

10.1 Ratélcom for Representatives

10.1.1 Login	<u>Go</u>
10.1.2 The Frontpage	<u>Go</u>
10.1.3 Companies	<u>Go</u>
10.1.4 Employees	<u>Go</u>
10.1.5 Manage Products	<u>Go</u>
10. 1.6 Trap Groups	<u>Go</u>
10.1.7 Alarms	<u>Go</u>
10.1.8 Vacation	<u>Go</u>
10.1.9 Traps	<u>Go</u>
10.1.10 Change Password	<u>Go</u>

Back to **Ratélcom**







Email	
Password	
Log in	

The login informations are received on email, when you have been created as a user in Ratélcom's webplatform (first login is received directly from Ratél's customer support when receiving your first products)

The login informations are used for both Ratélcom's webplatform and the Ratélcom APP





10.1.2 The Frontpage

	=	English •	?	•
	Welcome to Ratélcom			
Julie Bahrt				
😤 Frontpage				
🖪 Companies				
Lemployees				
• Manage products				
• Traps				
A Change password				
Q Log				
Q Data ET20				

On the frontpage you see the menu structure on the left.

Click on the individual sections to proceed.

In the upper right corner you choose between languages.

By clicking "?" you access the full manual for RatTrap ET20







10.1.3 Companies

	=								Engli	sh •	? 🕞
	Create										
	Company Ratel ApS				•	Sear	ich			Poaro	
						30				ocare	· •
Julie Bahrt	Job/Contract no.	Companyname	Zipcode	City	Con tactper	son	Email	Telephone	Send rep	ort	Edit
Frontpage	_	A0 Alle Fælder	6000	Kolding					Send re	port	Edit
Companies		A1 Pelias Norsk Skadedyrkontorll DA	2409	Elverum	Bjørn Eide		be@pelias.no		Send re	port	Edit
Manage products		Agekil AB	436 <mark>3</mark> 2	Askim	Marcus Clss	ig	marcus@agekil.se	+46031762 8812	Send re	port	Edit
Traps		Antipest	6990	Ulfborg	Jakob Vandl Jens Stouga	oorg / ard	jv@antipest.dk	30 44 22 45	Send re	port	Edit
← Change password ● Log		Arne Hansens Eftf. ApS	3540	Lynge	Anders Fron	1	info@ahetft.dk		Send re	port	Edit
Q Data ET20		Bjarne Madsen ApS	7323	Give					Send re	port	Edit
		Dansk Beton Renovering	3480	Fredensborg	Jesper Søre	nsen	jls.dbr@gmail.com		Send re	port	Edit

In the section "Companies" you see a list of the companies, that are created by you as a representative.

From this section you can create new companies, send reports to already existing companies and correct data registered on already existing companies.







10.1.3.1 Create company

	=		English 🔻 ? 🕞
	Create Company		
	Job/Contract no.	Zipcode Required	Email
Julie Bahrt	Companyname Required	City Required	Telephone
🏶 Frontpage			
📕 Companies	Address 1 Required	Contactperson	Mobile
Lemployees	Address 2	Jobdescription	Rent traps
• Manage products			
• Traps	Country	Accesslevel	Print alarms on report
𝒫 Change password	Denmark •	Level o 🔹	
Q Log	Address warehouse		
Q Data ET20	Search		
	Save company Cancel		

When creating a new company you should as a minimum fill in the boxes marked with "Required".

Tick the box "Service contract" if you are the company servicing the traps.

Tick the box "print alarms on report" if needed.

Remember to click "Save company".







10.1.3.2 Send report to Companies

C 🛈 Ikke sikke	r www.ratelcom.	om/Customer/Index	ର 🖈 💹 🛃
	=	Send report ×	English • ? Թ
Ratélowm	Create	From date	
data processing	Company	10/23/2018 To date	
	Ratel ApS	11/23/2018	Search X
Julie Bahrt	Job/Contract	Send report	Talashana Candasanat Edit
Frontpage	110.	Comp	тенерлоне зени герогт ван
Companies		A0 Alte	Send report Edit
Employees		A1 Peñas Norsk 2409 Elverum Bjørn Elde be@pelias.no	Send report Edit

Choose the time interval you wish for the report – and click "Send report".







10.1.3.3 Correct company

			English 🔹 📍 🕞
data processing	Edit company		
	Job/Contract no.	Zipcode Required	Email
		6000	
Julie Bahrt	Companyname Required	City Required	Telephone
Erontnage	Ao Alle Fælder	Kolding	
	Address 1 Required	Contactperson	Mobile
Companies	Centervej 2		
🛔 Employees	Address 2	Jobdescription	Rent traps
Manage products			×
Traps	Country	Accesslevel	Print alarms on report
A Change password	Denmark •	Representative	5
Q Log	Address warehouse		
Q Data ET20	Search		
	Save company Cancel		

In this section you can correct already existing companies data.

Remember to click "Save company".







10.1.4 Employees

	≡								Engl	ish •	?	•
Ratélc.m	Create											
and processing	Company					Search						
	Ratel ApS				*	Search text				Searc	h >	e.
Julie Bahrt	Employee	Active	Report resposible	User level	Email	Mobile	Edit	Send login	Report int	erval	Trap	is
# Frontpage	Hans Knudsen	(e)		Level 0	hk@ratel.dk	40533636	Edit	Send login				
Companies	Jan Nørskov	2		Level 0	jnl@care4all.dk	40503999	Edit	Send login				
Lengloyees	Jens Spedsbjerg	₩.		Level 0	js@datasign.dk	31250750	Edit	Send login				
• Manage products	Julie Bahrt	(e)		Level 0	jsb@ratel.dk	53641803	Edit	Send login				
♥ Traps	Nikolaj Rasmussen	8		Level 0	produktion@can	nro.dk 20 35 50 35	Edit	Send login				

In the section "Employees" you see the list of employees affilliated with the individual companies. Both on your representative level and on the end customer level.

Choose the company with which employees you want to see or change

Now the relevant employees are shown in the list

From this section you can create new employees and correct data registered on already existing employees – and send login/new login to employees.







10.1.4.1 Create employee

	Ξ.		English 🔹 🔋 🗇
Ratélc (**)m	Create Employee		
	Firstname Required	Mobile Required	Company Ratel ApS
Julie Bahrt	Middelame(s)	Address	User level
A Prontnaga			Level o 🔹
F rompage	Lastname Required	City	Level o
🖪 Companies			Level_0_5
📥 Employees	Email Required	Zipcode	Representative
• Manage products			Administrator
😧 Traps	Sava amplavaa Cancal		User
𝔍 Change password	Save employee Cancer		Servicetekniker
Q Log			Read only

When creating a new employee you should as a minimum fill in the boxes marked with "Required".

Choose the user level so it fits the relevant employee

Your own employees incl. technicians are created in you own company name.

End customers with a service contract should have created employees with only "read rights" End customers who are servicing their own traps shold have created an

employee with administrator rights – so they can manage and create there own employees in the future.

Remember to click "Save employee"







10.1.4.2 Send Login

Email er afsendt										
	=								English •	? 🕩
Rat <mark>élc</mark> ∞m	Create									
oata processing	Company					Search				
	Ratel ApS				٠	Search text			Sear	ch 🗙
Julie Bahrt	Employee	Active	Report resposible	User level	Email	Mobile	Edit	Send login	Report interval	Traps
Exontraga	Hans Knudsen	68		Level 0	hk@ratel.dk	40533636	Edit	Send login		
Companies	Jan Nørskov	2		Level 0	jnl@care4all.dk	40503999	Edit	Send login		
. Pourlannas	Jens Spedsbierg	×.		Level 0	is@datasion.dk	31250750	Edit	Send login		

When clicking "Send Login", you will send the relevant employee a login/new login on email.

When you see the green bar in the top of the side, the email has been sent correctly.







10.1.4.3 Correct employee

	=		English 🔹 ? 📦				
Ratélc(@)m	Edit Employee	Mobile Reguind	Company				
	Hans	40533636	Ratel ApS *				
Julie Bahrt	Middelame(s)	Address	User level				
🕈 Frontpage	Lastname	City	Level o •				
Companies	Knudsen	City	Ø				
📥 Employees	Email Required	Zipcode	Report resposible				
♥ Manage products	hk@ratel.dk						
O Traps	Save employee Cancel						
♀ Change password	Suve employee						
Q Log							
Q Data ET20							

In this section you can correct an existing employees data.

An employee can deatictivated by one click using the "active" box. The employee is still in the database, and be activated again with another tick in the box.

Remember to click "Save employee".







10.1.5 Manage Products

	≡								English *	?	•
Rat <mark>él</mark> c⊚m	Cre	ate Create fr	om Barcode								
data processing	Compa	ny					Traptype				
	Rate	el ApS				•	RatTrap ET20				۲
Julie Bahrt	Search	ch text			Search	×					
🕈 Frontpage	bean										
Companies		Mark all		Move comp	any						
Lemployees		‡ ID-number	‡ Inlet	1Address	;	Active	1 Delivery date	1 Total kills			
• Manage products	×	1741000681	ingen valgt					0	Edit		
• Traps		1745001724	Ingen valgt	Test				11	Edit		
𝗠 Change password		1748000024	ingen valgt					0	Edit		
🔁 Log Q Data ET20		1748000914	Ingen valgt			U		0	Edit		

In this sections you have an overview of all your traps.

From here you can filter the view so you can manage the traps.

You can change company and trapgroup - and it is in this section you add alarm receivers to the traps using "add user".







10.1.5.1 Manage Products continued



Employees "using" the traps are alarmreceivers

Connect a trap to a trap group

		Fældegrupp	be and a second s		
Virks	omhed	Fældegruppe			
slu	t kunde				*
Rat	rtype Trap ET20 Markér alle	Gruppe 1 Gruppe 2 Tilføj bri	igere Skift vir	ksomhed Knyt	til fældegruppe
	ID-nummer	Aktiv	Leveringsdato	Totale kills	Fældetype
8	123456789			0	RatTrap ET20
2	1736000111			19	RatTrap ET20
	1726000121			10	PatTran ET20



Move a trap from your stock to an end customer/company





10.1.6 Trap Groups

	=	Enş	şlish 🔹	?	୲
Ratélc (**) data processing	Create	Search			
	Randers Kommune *	Search text	Searc	h	×
Julie Skovgaard					
A Frontpage	Trapgroupname				
Companias	Gruppe 1	E	ldit	Delet	е
Employees	Gruppe 2	E	.dit	Delet	æ
• Manage products					
Q Trapgroups					

Here you see a list of the already created Trap groups – if any.

Trap Groups are to further group traps if you have many traps to handle in one login.

The traps can be arrange in different trap groups across company order – and are searchable in the free text field .

From this section you can create new trap groups. Ypu can correct existing trapg group's data – and you can delete existing trap groups.







10.1.6.1 Create trap group

	=				English 🔹 🤶 🔅	*
Ratélc (**)m	Create Tra	apgroup Required	Companyname	Required		
			Randers Kommune	*		
Julie Skovgaard	Save trapgroup	Cancel				
希 Frontpage						
Companies						
Employees						
• Manage products						
Trapgroups						
Alarms						
≭ Vacation						

Boxes marked with "Requried" is filled out

Remeber to click "Save Trap Group"

Herafter traps can be added to the group via Manage <u>Products</u>







10.1.6.2 Delete trap group

	=				English 🔹	?
Julie Skovgaard	Are you sure you Trapgroupname G	I wan't to	delete this record?			
	Delete trapgroup	Cancel				
Julie Skovgaard						
🕈 Frontpage						
Companies						

Here you can delete a trap group by clicking "delete trap group"

The traps are still availble for you, companies and user – only no longer in a searchable group.







10.1.6.3 Correct trap group

Ratéle Belit Trapgroup	
Trapgroupname Companyname Required	
Gruppe 1 Randers Kommune	
Julie Skovgaard Fuit transroup Cancel	
Hedensted Spildevand	
A Frontpage Randers Kommune	
Ratél forhandler	
La Employees Slagelse Kommune	
♥ Trapgroups	
Alarms	
X Vacation	

Here you can correct a trap group's name or affiliation to a customer.

Click "Correct trap group", when your changes are made.






10.1.7 Alarms

	Alarmer						
	Dato fra	Dato til	Fældetype				
	07-10-2017	06-11-2017	RatTrap ET20 *				
Slutkunde Slutkunde	ID-nummer A	dresse Dato	Oversvømmelser	CO2 patron	Væltet	In <mark>gen respons</mark>	Medarbejdere på fælde
Forside	1741000691	06-11-2017 00:58:49		۲	•		Vis
Virksomheder	1736000111	06-11-2017 00:34:15	۲	•	•		Vis
Medarbejdere	1741000671	06-11-2017 00:34:15	٠	٠	٠		Vis
Administrér produkt	1736000111	05-11-2017 23:32:52	٠	٠	٠		Vis
Fældegrupper	1741000671	05-11-2017 23:32:52		•	•		Vis
Alarmer	1736000111	05-11-2017 23:27:08		•			Vis
Ferie Fælder	1741000671	05-11-2017 23:27:08	۲	۲	٠		Vis
Skift kodeord	1736000111	05-11-2017 22:49:05	•	•	•		Vis

In the section "Alarms" all traps with Alarms which are not yet handled shown. The alarms are displayed with a red indicator in the relevant coloumn of alarmtype

Click "Show" in the right coloumn to know which technician who was the receiver of the alarm







10.1.8 Vacation

	=					English •	?	•
	Vacation							
	Create							
	From date	Date to						
Julie Skovgaard	11/23/2018	12/7/2018						
希 Frontpage	User on holiday	Repla	acement	From date	To date			
Companies								
Employees								

In this view you see a list showing employees on vacation. Click "Create" to note further employees on vacation

	=			English 🔹 📍 🕞
Ratélc (**)m	Create vacation			
	User on holiday	Required	Replacement	Required
	No user selected	•	No user selected	•
Julie Skovgaard	From date	Required	No user selected	
# Frontpage	Save vacation Cancel		Jens Spedsbjerg Julie Skovgaard	
Companies	Suve vacation Cancer			
Employees				
• Manage products				

Fill in the boxes and click "Save Vacation"







10.1.9 Traps

	=			English •	Tilpas Google) Ch
Ratélcm	Show on map Show on list					
data processing	Search Search text	Search 3	¢	Traptype RatTrap ET20	•	
	Trapgroup			Company types		
Julie Skovgaard	All		٠	All	•	
June one (Bune)	Company			Alarm status		
🏶 Frontpage	All		٠	All	•	
Companies	Active			Move traps		
Employees	All		*			
• Manage products				Halmetad	C.156.78	
• Trapgroups	Kort Satellit Skive	2		Thin age	E []	
Alarms	Struer Viborg Bayers	Gles	borg	Laholm N	arkaryd	
∢ Vacation	Holstebro		Gre	na P	Osb	51
• Traps	Silkeborg	15 Ebelto	oft	Ändelholm 🍱	39	
≪ Change password	Ringkobing Herning 13			Helsingborg	Hassienoim	r
				Sizeliands Odde	por	

In the section Traps you can view alle the traps you are servicing. Traps can be shown either on a map or in a list.

The dropdown menus allow ypu to search across company; trap group; trap type etc to narrow your search

In the listview you are able to sort the coloumns within the different categories "Inlet", "com module", "company" etc.







10.1.9.1 Click on a trap for details

Alarme	[ID-number	I inlet	[Address	changed	[Total kills	Active	status	I Companyname
★ Vacation	1743000594	Ingen valgt		0	0		•	Hedensted Spildevand
🚱 Traps	1743000604	Ingen valgt		0	0		•	Hedensted Spildevand
A change password	1743000614	ingen valgt	Fugikær 33 - Stenderup	1	1	×	•	Hedensted Spildevand
	Manhole Com. module		Details 1743000614 ID-number: 1743000614 . Total kills 1 . Link No link . Address Fugikær 33 - Stenderup . Latitude 55' 47' 31'' . Longitude 9: 48' 12''					
	1743000624	Ingen valgt		0	0		•	Hedensted Spildevand

By clicking a trap either on the list or on the map – you will get an overall status on the trap – click on the pictures to enlarge them

Date from 10/23/2018	Date 11/	23/2018	Report type All	¥					
Data Graph S	ervicereports	Trap historic							
Date		Komm. module	Kills	Total kills	Flooded	Blocked	CO2	Tilted	Missing report
11/22/2018 12:3	1:16 PM	1802000554	1	1	0	۲	۲		
11/21/2018 11:0	4:39 PM		0	0	0				A
11/18/2018 11:0	1:44 PM		0	0	0				A

By clicking "details" you wil get a short menu, where the trap's graphs, service reports and historics can be shown for a given time interval.





Back to **START**

10.1.9.2 Service reports etc



The "Data" tab will show you all messages from the Communications Module

	Virksomhed			Status		
Dato fra	Dato til	Gruppering	Da	tagrundlag		×
01-11-2017	06-11-2017	Dag	*	Kills	Ŧ	
Data Graf S	Servicerapporter Fælde historik					
3						
2						
1						
02-11-20	17 Kills (0) 03-11-2017 Kills (1)	04-11-2017 Kills	(0)	05-11-2017 Kills (0)	06-11-2017 Kills (1)	

Example of a graph created in the "Graph" tab Back to <u>Representatives</u>



10.1.9.3 Service reports etc continued

Dato 01-	fra 11-2017	Dato til 06-11-2017				2
Dat	a Graf Servio	erapporter Fælde historik				
	Markér alle	Print markerede	Send markerede			
	Dato	Medarbejder	Service data	Kommentar		
	kl. 15:01 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
0	kl. 12:31 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
8	kl. 12:30 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
	kl. 11:55 03.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send

The "Service report" tab list the service reports on the trap

Dato fra			Dato ti	il				
01-11-2	2017		06-1	11-2017				
Data	Graf	Servicerappo	orter	Fælde historik				
Rettet af					Rettet dato	Ændringer	Virksomhed	Detaljer
Servicete	k Servicel	tek			06-11-2017 12:31:57		slut kunde	Vis
Forhand	er Forhan	dier			02-11-2017 08:03:07	Ny lokation	slut kunde	Vis

The "Trap History" fan gives you an overview of the trap's handeling over time





10.1.10 Change Password

		English •	?	•
Ratélc (**) data processing	Old password			
Julie Skovgaard	New password			
希 Frontpage				
🖪 Companies	Retype new password			
Employees	Save			
• Manage products				
• Trapgroups				
Alarms				
≭ Vacation				
• Traps				
🔩 Change password				

Type your present password in the first box

Type the wanted password in the next two boxes

Click "Save"





10.2 Ratélcom for End Customer

10.2.1 Login	<u>Go</u>
10.2.2 The Frontpage	<u>Go</u>
10.2.3 Companies	<u>Go</u>
10.2.4 Employees	<u>Go</u>
10.2.5 Manage Products	<u>Go</u>
10.2.6 Trap Groups	<u>Go</u>
10.2.7 Alarms	<u>Go</u>
10.2.8 Vacations	<u>Go</u>
10.2.9 Traps	<u>Go</u>
10.2.10 Change Password	<u>Go</u>

Back to **Ratélcom**







Email		
Password		
	Log in	

The login informations are received on email, when you have been created as a user in Ratélcom's webplatform (first login is received directly from Ratél's customer support when receiving your first products)

The login informations are used for both Ratélcom's webplatform and the Ratélcom APP

Back to End Customer



Back to **START**

10.2.2 The Frontpage

	=	English •	?	•
	Welcome to Ratélcom			
Julie Bahrt				
😤 Frontpage				
🖪 Companies				
Lemployees				
• Manage products				
• Traps				
A Change password				
Q Log				
Q Data ET20				

On the frontpage you see the menu structure on the left.

Click on the individual sections to proceed.

In the upper right corner you choose between languages.

By clicking "?" you access the full manual for RatTrap ET20







10.2.3 Companies

	=		English 🔻 ? 🗇
Ratélc (**)m	Edit company		
	Job/Contract no.	Zipcode Required	Email
		6000	
Julie Bahrt	Companyname Required	City Required	Telephone
a -	Ao Alle Fælder	Kolding	
Terontpage	- Address 1 Required	Contactperson	Mobile
📕 Companies	Centervej 2		
Employees	Address 2	Jobdescription	Rent trans
• Manage products			8
• Traps	Country	Accesslevel	Print alarms on report
A Change password	Denmark	Representative	
Q Los	Address warehouse		
Cog	Search		
Q Data ET20			
	Save company Cancel		

In this section you can correct your company's data if needed

Remember to click "Save Company" when you have made correctionsnår rettelserne er foretaget.





10.2.4 Employees

	≡								Engl	ish •	?	•
Rat <mark>élc</mark> ∞m	Create											
data processing	Company					Search						
	Ratel ApS				•	Search text				Searc	h X	¢
Julie Bahrt	Employee	Active	Report resposible	User level	Email	Mobile	Edit	Send login	Report int	erval	Trap	os
# Frontpage	Hans Knudsen	(e)		Level 0	hk@ratel.dk	40533636	Edit	Send login				
Companies	Jan Nørskov	12		Level 0	jnl@care4all.dk	40503999	Edit	Send login				
Limployees	Jens Spedsbjerg	2		Level 0	js@datasign.dk	31250750	Edit	Send login				
• Manage products	Julie Bahrt	(ii)		Level 0	jsb@ratel.dk	53641803	Edit	Send login				
• Traps	Nikolaj Rasmussen	2		Level 0	produktion@car	mro.dk 20 35 50 35	Edit	Send login				

In the section "Employees" you see the list of your employees.

From this section you can create new employees and correct data registered on already existing employees – and send login/new login to employees.







10.2.4.1 Create employee

	=		English 🔻 ? 🕞
Ratélc (**)m	Create Employee		
	Firstname Required	Mobile Required	Company Ratel ApS
Julie Bahrt	Middelame(s)	Address	User level
A Prontnaga			Level o 🔻
rtompage	Lastname Required	City	Level o
📕 Companies			Level_0_5
📥 Employees	Email Required	Zipcode	Representative
• Manage products			Administrator
• Traps	Sous amplause Concel		User
& Change password	Save employee Cancer		Servicetekniker
Q Log			Read only

When creating a new employee you should as a minimum fill in the boxes marked with "Required".

Choose the user level so it fits the relevant employee

Remember to click "Save employee"







10.2.4.2 Send Login

Email er afsendt										
	Ξ								English •	? 🕩
	Create									
	Company					Search				
	Ratel ApS				•	Search text			Sear	ch 🗙
Julie Bahrt	Employee	Active	Report resposible	User level	Email	Mobile	Edit	Send login	Report interval	Traps
Scontnage	Hans Knudsen	68		Level 0	hk@ratel.dk	40533636	Edit	Send login		
Companies	Jan Nørskov	2		Level 0	jnl@care4all.dk	40503999	Edit	Send login		
. Tenniousan	Jens Spedsbierg	10		Level 0	is@datasion.dk	31250750	Edit	Send login		

When clicking "Send Login", you will send the relevant employee a login/new login on email.

When you see the green bar in the top of the side, the email has been sent correctly.







10.2.4.3 Correct employee

	≡					English *	?	۲
Ratélc(…)m	Edit Employee		Mobile Reguined		or Company			
	Hans		40533636		Ratel ApS			٠
Julie Bahrt	Middelame(s)		Address		User level			
🖨 Frontpage					Level o			•
Companies	Lastname	Required	City		Active			
着 Employees	Email	Required	Zipcode		Report resposible			
♥ Manage products	hk@ratel.dk							
♥ Traps	Save employee	Cancel						
A Change password								
Q Log								
Q Data ET20								

In this section you can correct an existing employees data.

An employee can deatictivated by one click using the "active" box. The employee is still in the database, and be activated again with another tick in the box.

Remember to click "Save employee".







10.2.5 Manage Products

	≡								English •	?	•
Rat <mark>élc</mark> ⊚m	Creat	e Create fr	om Barcode								
data processing	Company	1					Traptype				
	Ratel A	4pS				٠	RatTrap ET20				¥
	Search										
Julie Bahrt	Search	text			Search	×					
# Frontpage											
Companies		Mark all		Move compa	ny						
Lemployees	1	ID-number	‡ Inlet	1Address		Active	1 Delivery date	1 Total kills			
• Manage products		1741000681	ingen valgt					0	Edit		
• Traps		1745001724	Ingen valgt	Test				11	Edit		
𝗠 Change password		1748000024	ingen valgt					0	Edit		
Q Data ET20		1748000914	Ingen valgt			U.		D	Edit		

In this sections you have an overview of all your traps.

From here you can filter the view so you can manage the traps.

You can change company and trapgroup - and it is in this section you add alarm receivers to the traps using "add user".







10.2.5.1 Manage Products continued

	Medarbejdere		<u></u>
Virksomhed	Besked på SMS	⊟ Besked på	Email
aldetype	E Forhandler Forhandler - Rolle	Forhandler admin	
RatTrap ET20	Jens Forhandler - Rolle: Forhand	dier admin	
	Servicetek Servicetek - Rolle	Servicetekniker 2	
Markér alle	Slutkunde Slutkunde - Role. Au	dministrator	
ID-nummer			
× 123456789			Tilbage Gem
1736000111		1V	Kattrap E 120
1736000121		19	RatTrap ET20

Employees "using" the traps are alarmreceivers

Connect a trap to a trap group

=	Fældegruppe			×
Virksomhed	Fældegruppe			
slut kunde	j			•
Fældetype				
RatTrap ET20	Gruppe 1			
	Gruppe 2			
Markér alle	Tilføj brug	ere Skift vir	ksomhed Knyt	til fældegruppe
ID-nummer	Aktiv	Leveringsdato	Totale kills	Fældetype
 123456789 			0	RatTrap ET20
✓ 1736000111			19	RatTrap ET20
1736000121			19	RatTrap ET20





10.2.6 Trap Groups

	=	Enş	şlish 🔹	?	୲			
Ratélc (**) data processing	Create	Search						
	Randers Kommune *	Search text	Searc	h	×			
Julie Skovgaard								
A Frontpage	Trapgroupname							
Companiar	Gruppe 1	E	ldit	Delet	е			
Employees	Gruppe 2	E	.dit	Delet	æ			
• Manage products								
Q Trapgroups								

Here you see a list of the already created Trap groups – if any.

Trap Groups are to further group traps if you have many traps to hanlde in one login.

The traps can be arrange in different trap groups across company order – and are searchable in the free text field .

From this section you can create new trap groups. Ypu can correct existing trapg group's data – and you can delete existing trap groups.







10.2.6.1 Create trap group

			English 🔹 📍 💽
Ratélc(%)m	Create Trapgroup Trapgroupname Required	Companyname Require	1
		Randers Kommune *	
Julie Skovgaard	Save trapgroup Cancel		
希 Frontpage			
Companies			
Employees			
9 Manage products			
• Trapgroups			
Alarms			
★ Vacation			

Boxes marked with "Required" is filled out

Remember to click "Save Trap Group"

Hereafter traps can be added to the group via <u>Manage</u> <u>Products</u>







10.2.6.2 Delete trap group

	=			English 🔻	?	•
	Are you sure you Trapgroupname G	1 wan't t Gruppe 1	delete this record?			
	Delete trapgroup	Cancel				
Julie Skovgaard						
希 Frontpage						
Companies						

Here you can delete a trap group by clicking "delete trap group"

The traps are still availble for you, companies and user – only no longer in a searchable group.







10.2.6.3 Correct trap group

	=		English • ? 🗉
Ratélc (**) data processing	Edit Trapgrou	р сопранувате керилее	r
	Gruppe 1	Randers Kommune 🔻	
Julie Skovgaard	Edit trapgroup Cance	Furesø Kommune	
希 Frontpage		Randers Kommune	10
Companies		Ratél forhandler	
Employees		Slagelse Kommune	
• Manage products		Sorø Forsyning	
Trapgroups			
Alarms			
★ Vacation			

Here you can correct a trap group's name or affiliation to a customer.

Click "Correct trap group", when your changes are made.







10.2.7 Alarms

							Dansk 🔹 🖨
data processing	Dato fra	Dato til	Fældetype				
	07-10-2017	06-11-2017	RatTrap ET20 *				
Slutkunde Slutkunde	ID-nummer Ad	resse Dato	Oversvømmelser	CO2 patron	Væltet	Ingen respons	Medarbejdere på fæld
🖀 Forside	1741000691	06-11-2017 00:58:49		•	•		Vis
Virksomheder	1736000111	06-11-2017 00:34:15	•	•	•		Vis
🌢 Medarbejdere	1741000671	06-11-2017 00:34:15	•	٠	٠		Vis
• Administrér produkt	1736000111	05-11-2017 23:32:52		٠	٠		Vis
Fældegrupper	1741000671	05-11-2017 23:32:52		•	•		Vis
Alarmer	1736000111	05-11-2017 23:27:08		•			Vis
♣ Ferie ♠ Fælder	1741000671	05-11-2017 23:27:08	٠	۲	٠		Vis
🗣 Skift kodeord	1736000111	05-11-2017 22:49:05		•	•		Vis
otuoid(0)					-		

In the section "Alarms" all traps with Alarms which are not yet handled shown. The alarms are displayed with a red indicator in the relevant coloumn of alarmtype

Click "Show" in the right coloumn to know which technician who was the receiver of the alarm





10.2.8 Vacation

	=				English •	?	•
Ratélc (**) m	Vacation						
	Create						
	From date	Date to					
Julie Skovgaard	11/23/2018	12/7/2018					
# Frontpage	User on holiday	Replacement	From date	To date			
📕 Companies							
Employees							

In this view you see a list showing employees on vacation. Click "Create" to note further employees on vacation

	=			English 🔹 📍 🕩
Ratélc (**)m	Create vacation			
	User on holiday	Required	Replacement	Required
	No user selected	•	No user selected	•
Julie Skovgaard	From date	Required	No user selected	
希 Frontpage			Jens Spedsbjerg Julie Skovgaard	
🖪 Companies	Save vacation Cancel		.)	
Employees				
• Manage products				

Fill in the boxes and click "Save Vacation"







10.2.9 Traps

				English ▼ Tilpas Google Ch
	Show on map Show on list Search		Traptype	
	Search text	Search X	RatTrap ET20	Y
	Trapgroup		Company types	
Julia Chourspard	All	*	All	×.
June Skovgaaru	Company		Alarm status	
🏶 Frontpage	All	*	All	
Companies	Active		Move tra	ps
Employees	All	*		
• Manage products		200-1		Halmstad
O Trapgroups	Kort Satellit Skive Maria	00		
Alarms	Struer Viborg Pa	ers Glesborg	enà	Laholm Markaryd
★ Vacation	Holstebro		1	Bästad Osb
Traps	Silkeborg	15 Ebeltoft		Ängelholm E
𝒫 Change password	Ringkøbing Ikast		He	Isingborg
	Hvide Sande		Sjællande Sjællande Helsingøre	Hoor

In the section Traps you can view alle the traps you are servicing. Traps can be shown either on a map or in a list.

The dropdown menus allow ypu to search across company; trap group; trap type etc to narrow your search

In the listview you are able to sort the coloumns within the different categories "Inlet", "com module", "company" etc. Back to <u>End Customer</u>







10.2.9.1 Click on trap for details

Alarme	1 ID-number	1 Inlet	1 Address	changed	I Total kills	Active	status	[Companyname
★ Vacation	1743000594	ingen valgt		0	0		٠	Hedensted Spildevand
🔮 Traps	1743000604	Ingen valgt		0	0		•	Hedensted Spildevand
♀ Change password	1743000614	Ingen valgt	Fugikær 33 - Stenderup	1	1	×	•	Hedensted Spildevand
	Manhole Com. module		Details 1743000614 ID-number: 1743000614 - Total kills 1 - Link No link - Address Fuglkær 33 - Stenderup - Latitude 55,7919797 - Longitude 9,805072 - Latitude 55" 47" 31" - Longitude 9° 48" 12"					
	1743000624	Ingen valgt		0	0		•	Hedensted Spildevand

By clicking a trap either on the list or on the map – you will get an overall status on the trap – click on the pictures to enlarge them

Date from 10/23/2	n :018		Date to 11/23	0 3/2018	Repo All	rt type	۲					
Data	Graph	Servicerepo	rts	Trap historic								
	De	ate		Komm. modu	ile	Kills	Total kills	Flooded	Blocked	CO2	Tilted	Missing report
2	11/22/2018	12:31:16 PM		1802000554		1	1	0	۲	۲		
	11/21/2018	11:04:39 PM				0	0	0				A
	11/18/2018	11:01:44 PM				0	0	0				A

By clicking "details" you wil get a short menu, where the trap's graphs, service reports and historics can be shown for a given time interval. Back to End Customer







Back to **START**

10.2.9.2 Service reports etc



The "Data" tab will show you all messages from the Communications Module

	Virksomhed		Status		
Dato fra	Dato til	Gruppering	Datagrundlag		×
01-11-2017	06-11-2017	Dag 🔹	Kills	Ŧ	
Data Graf Se	ervicerapporter Fælde historik				
3					
2					
1					
02-11-201	7 Kills (0) 03-11-2017 Kills (1) 04-11-2017 Kills (0)	05-11-2017 Kills (0)	06-11-2017 Kills (1)	

Example of a graph created in the "Graph" tab Back to End Customer





10.2.9.3 Service reports etc continued

Dato 01-	ra Dato til 1-2017 06-11-2017					
Dat	a Graf Servic	erapporter Fælde historik				
	Markér alle	Print markerede	Send markerede			
	Dato	Medarbejder	Service data	Kommentar		
	kl. 15:01 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
0	kl. 12:31 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
8	kl. 12:30 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
0	kl. 11:55 03.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send

The "Service report" tab list the service reports on the trap

Dato fra Dato til		il						
01-11-2	01-11-2017 06-11-2017		11-2017					
Data	Graf	Servicerappo	orter	Fælde historik				
Rettet af					Rettet dato	Ændringer	Virksomhed	Detaljer
Servicete	k Servicel	tek			06-11-2017 12:31:57		slut kunde	Vis
Forhand	er Forhan	dier			02-11-2017 08:03:07	Ny lokation	slut kunde	Vis

The "Trap History" fan gives you an overview of the trap's handeling over time





10.2.10 Change Password

	=	English •	?	•
Ratélc (**) data processing	Old password			
Julie Skovgaard	New password			
🖨 Frontpage				
📕 Companies	Retype new password			
Employees	Save			
• Manage products				
• Trapgroups				
Alarms				
≭ Vacation				
O Traps				
🔩 Change password				

Type your present password in the first box

Type the wanted password in the next two boxes

Click "Save"





10.3 Ratélcom for Technicians

10.3.1 Login	<u>Go</u>
10.3.2 The Frontpage	<u>Go</u>
10.3.3 Manage Products	<u>Go</u>
10.3.4 Trap Groups	<u>Go</u>
10.3.5 Alarms	<u>Go</u>
10.3.6 Traps	<u>Go</u>
10.3.7 Change Password	<u>Go</u>

Back to **Ratélcom**



Ver. 1.7 - 01.12.2019





Email		
Password		
	Log in	

The login informations are received on email, when you have been created as a user in Ratélcom's webplatform (first login is received directly from Ratél's customer support when receiving your first products)

The login informations are used for both Ratélcom's webplatform and the Ratélcom APP





10.3.2 The Frontpage

	=	English •	?	•
	Welcome to Ratélcom			
Julie Bahrt				
😤 Frontpage				
Companies				
Lemployees				
• Manage products				
• Traps				
A Change password				
Q Log				
Q Data ET20				

On the frontpage you see the menu structure on the left.

Click on the individual sections to proceed.

Ver. 1.7 - 01.12.2019

In the upper right corner you choose between languages.

By clicking "?" you access the full manual for RatTrap ET20



10.3.3 Manage Products

	\equiv							English •	? 🕩
Rat <mark>élc</mark> ⊚m	Create	Create fr	om Barcode						
uata processing	Company					Traptype			
	Ratel Ap	oS			٠	RatTrap ET20			
	Search								
Julie Bahrt	Search t	ext		Searc	x				
# Frontpage									
Companies		Mark all		Move company					
Lengloyees	t	ID-number	‡ Inlet	1Address	Active	1 Delivery date	‡ Total kills		
• Manage products	Ø 17	741000681	ingen valgt				0	Edit	
• Traps		745001724	ingen valgt	Test	۲		11	Edit	
A Change password	17	748000024	ingen valgt				0	Edit	
🔁 Log Q Data ET20	17	748000914	Ingen valgt				0	Edit	

In this sections you have an overview of all your traps.

From here you can filter the view so you can manage the traps.

You can change company and trapgroup

Back to **Technicians**





Back to **START**

10.3.3.1 Manage Products continued

	=		
	Fælder		
	Adresse		
Servicetek Servicetek	Link		
# Forside			
• Administrér produkt	Gem fælde	Annullér	
• Fældegrupper			
Alarmer			
G Fælder			
🔩 Skift kodeord			

Change address on a trap

Connect a trap to a trap group

	Fældegruppe			>
rksomhed	Fældegruppe			
lut kunde				*
ldetype				
RatTrap ET20	Gruppe 1			
	Gruppe 2			
Markér alle	Tilføj bruge	re Skift vir	ksomhed Knyt	til fældegruppe
ID-nummer	Aktiv	Leveringsdato	Totale kills	Fældetype
123456789			0	RatTrap ET20
1736000111			19	RatTrap ET20







10.3.4 Trap Groups

	≡	Eng	lish • ?	•
	Create	Canyoh		
	Randers Kommune 🔹	Search text	Search	×
Julie Skovgaard				
# Frontnage	Trapgroupname			
	Gruppe 1	E	dit De	lete
Employees	Gruppe 2	E	dit De	lete
9 Manage products				
Trapgroups				

Here you see a list of the already created Trap groups – if any.

Trap Groups are to further group traps if you have many traps to hanlde in one login.

The traps can be arrange in different trap groups across company order – and are searchable in the free text field .

From this section you can create new trap groups. Ypu can correct existing trapg group's data – and you can delete existing trap groups.

Ver. 1.7 - 01.12.2019



10.3.4.1 Create trap group

			English 🔹 📍 💽
Ratélc(%)m	Create Trapgroup Trapgroupname Required	Companyname Require	1
		Randers Kommune *	
Julie Skovgaard	Save trapgroup Cancel		
希 Frontpage			
Companies			
Employees			
9 Manage products			
• Trapgroups			
Alarms			
★ Vacation			

Boxes marked with "Requried" is filled out

Remeber to click "Save Trap Group"

Herafter traps can be added to the group via Manage <u>Products</u>







10.3.4.2 Delete trap group

Ratéic (**)m	=			English 🔻	?	•
	Are you sure you Trapgroupname G	1 wan't t Gruppe 1	delete this record?			
	Delete trapgroup	Cancel				
Julie Skovgaard						
希 Frontpage						
Companies						

Here you can delete a trap group by clicking "delete trap group"

The traps are still availble for you, companies and user – only no longer in a searchable group.

Back to **Technicians**





Back to **<u>START</u>**
10.3.4.3 Correct trap group

Ratélc (**)m	Edit Trapgroup	Companyname Required	
	Gruppe 1	Randers Kommune *	
Julie Skovgaard	Edit trapgroup Cancel	Furesø Kommune Hedensted Spildevand	
🖨 Frontpage		Randers Kommune	
Companies		Ratél forhandler	
Lemployees		Slagelse Kommune	
• Manage products		Sorø Forsyning	
Trapgroups			
Alarms			
★ Vacation			

Here you can correct a trap group's name

Click "Correct trap group", when your changes are made.

Back to **Technicians**





Back to **START**

10.3.5 Alarms

	=						Dansk 🔹 🖨
	Alarmer						
	Dato fra	Dato til	Fældetype				
	07-10-2017	06-11-2017	RatTrap ET20				
Slutkunde Slutkunde	ID-nummer Adre	sse Dato	Oversvømmelser	CO2 patron	Væltet	Ingen respons	Medarbejdere på fæld
🖨 Forside	1741000691	06-11-2017 00:58:49		٠	•		Vis
Virksomheder	1736000111	06-11-2017 00:34:15	٠	•	•		Vis
🖁 Medarbejdere	1741000671	06-11-2017 00:34:15	٠	٠	٠		Vis
Administrér produkt	1736000111	05-11-2017 23:32:52		٠	٠		Vis
S Fældegrupper	1741000671	05-11-2017 23:32:52	٠	•	•		Vis
Alarmer 🖡	1736000111	05-11-2017 23:27:08		•			vis
🛪 Ferie							
🗣 Fælder	1741000671	05-11-2017 23:27:08		•	•		Vis
🗣 Skift kodeord	1736000111	05-11-2017 22:49:05		•			Vis
atuaid(0)				-	-		

In the section "Alarms" all traps with Alarms which are not yet handled shown. The alarms are displayed with a red indicator in the relevant coloumn of alarmtype

Click "Show" in the right coloumn to know which technician who was the receiver of the alarm







10.3.6 Traps

	=			English •	Tilpas Google) Ch
Ratélcm	Show on map Show on list					
data processing	Search Search text	Search 3	¢	Traptype RatTrap ET20	•	
	Trapgroup			Company types		
Julie Skovgaard	All		٠	All	•	
June one (Bune)	Company			Alarm status		
🏶 Frontpage	All		٠	All	•	
Companies	Active			Move traps		
Employees	All		*			
• Manage products				Halmetad		
• Trapgroups	Kort Satellit Skive	2		Thin age	E []	
Alarms	Struer Viborg Bayers	Gles	borg	Laholm N	arkaryd	
∢ Vacation	Holstebro		Gre	na P	Osb	51
• Traps	Silkeborg	15 Ebelto	oft	Ändelholm 🍱	39	
& Change password	Ringkøbing Herning 13 Skanderborg			Helsingborg	Hassieholm	r
				Sizeliands Odde	por	

In the section Traps you can view alle the traps you are servicing. Traps can be shown either on a map or in a list.

The dropdown menus allow ypu to search across company; trap group; trap type etc to narrow your search

In the listview you are able to sort the coloumns within the different categories "Inlet", "com module", "company" etc.







10.3.6.1 Click on trap for details

Alarme	1 ID-number	1 Inlet	1 Address	changed	I Total kills	Active	status	[Companyname
★ Vacation	1743000594	ingen valgt		0	0		٠	Hedensted Spildevand
🔮 Traps	1743000604	Ingen valgt		0	0		•	Hedensted Spildevand
♀ Change password	1743000614	Ingen valgt	Fugikær 33 - Stenderup	1	1	×	•	Hedensted Spildevand
	Manhole Com. module		Details 1743000614 ID-number: 1743000614 - Total kills 1 - Link No link - Address Fuglkær 33 - Stenderup - Latitude 55,7919797 - Longitude 98,085072 - Latitude 55" 47" 31" - Longitude 9° 48" 12"					
	1743000624	Ingen valgt		0	0		•	Hedensted Spildevand

By clicking a trap either on the list or on the map – you will get an overall status on the trap – click on the pictures to enlarge them

Date from 10/23/2	1 018		Date t 11/2	0 3/2018	Report All	Report type All						
Data	Graph	Servicerepo	orts	Trap historic								
	De	ate		Komm. modu	le	Kills	Total kills	Flooded	Blocked	C02	Tilted	Missing report
1	1/22/2018	12:31:16 PM		1802000554		1	1	0	۲	۲		
1	1/21/2018	11:04:39 PM				0	0	0				A
1	1/18/2018	11:01:44 PM				0	0	0				A

By clicking "details" you wil get a short menu, where the trap's graphs, service reports and historics can be shown for a given time interval.





10.3.6.2 Service reports etc



The "Data" tab will show you all messages from the Communications Module

		Virksomhed			Status		
Dato fra		Dato til	Gruppering		Datagrundlag		×
01-11-2	017	06-11-2017	Dag	٠	Kills	Ŧ	
Data	Graf Servicerappo	orter Fælde historik					
3							
2							
1							
	02-11-2017 Kills (0)	03-11-2017 Kills (1)	04-11-2017 Kills (0)	05-11-2017 Kills (0)	06-11-2017 Kills (1)	

Example of a graph created in the "Graph" tab Back to <u>Technicians</u>





Rat<mark>él</mark>

10.3.6.3 Service reports etc continued

Dato 01-	to fra Dato til 1-11-2017 06-11-2017					1
Dat	a Graf Servio	erapporter Fælde historik				
	Markér alle	Print markerede	Send markerede			
	Dato	Medarbejder	Service data	Kommentar		
	kl. 15:01 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
0	kl. 12:31 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
8	kl. 12:30 06.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send
0	kl. 11:55 03.11.2017	Servicetek Servicetek	Alarm nulstillet:Nej		Print	Send

The "Service report" tab list the service reports on the trap

Dato fra Dato til		il						
01-11-2	01-11-2017 06-11-2017		11-2017					
Data	Graf	Servicerappo	orter	Fælde historik				
Rettet af					Rettet dato	Ændringer	Virksomhed	Detaljer
Servicete	k Servicel	tek			06-11-2017 12:31:57		slut kunde	Vis
Forhand	er Forhan	dier			02-11-2017 08:03:07	Ny lokation	slut kunde	Vis

The "Trap History" fan gives you an overview of the trap's handeling over time





10.3.7 Change Password

	=	English •	?	•
Ratélc (**) data processing	Old password			
Julie Skovgaard	New password			
# Frontpage				
🖪 Companies	Retype new password			
Employees	Save			
• Manage products				
• Trapgroups				
Alarms				
X Vacation				
• Traps				
🔩 Change password				

Type your present password in the first box

Type the wanted password in the next two boxes

Click "Save"





CE-certification

CE

	Rat <mark>él</mark>
EU-Overensste	emmelseserklæring
Fabrikant: Ratél ApS Centervej 2 DK-6000 Kolding Tlf: +45 69 89 86 86	
Erklærer hermed, at følgende udstyr: Betegnelse: RatTrap, Giftfri Rottefælde Type nr.: ET20	
 Er i overensstemmelse med følgende direktiver: EMC direktivet 2014/30/EU af 26. februa om elektromagnetisk kapabilitet Maskindirektivet 2006/42/EF af 17. maj i RoHS-direktivet 2011/65/EU af 21. juli 2 Er i overensstemmelse med følgende harmoniser DS/EN ISO 12100:2011 - Generelle prind risikonedsættelse DS/ISO 14121-2:2012 - Maskinsikkerhed metodeeksempler Ovenfor nævnte standarder er kun anvendt i det anvendelse. 	ar 2014: Harmonisering af medlemsstaternes lovgivning 2006 2011 rede standarder: cipper for konstruktion - Risikovurdering og d - Risikovurdering - Del 2: Praktisk vejledning og c omfang, det er relevant i forbindelse med rottefældens
8/11 - 2017 Kolding Sted og dato	Hape Knudsen CEO



Atex Certification



Ratél

EU-Declaration of conformity

Manufacturer:

Ratél ApS Centervej 2 DK-6000 Kolding Tlf: +45 69 89 86 86

Declares hereby, that the following equipment:

Name:

RatTrap, Non-toxic Rattraps

Type number:

ET20 2017

Is in conformity with the following directives:

- EMC Directive 2014/30/EU of 26 February 2014: Harmonization of laws of the Member States relating to electromagnetic compatibility
- Machinery Directive 2006/42/EC of 17 May 2006
- RoHS-Directive 2011/65/EU of 8 June 2011
- ATEX Directive 2014/34/EU of 26 February 2014

Is in conformity with the following standards:

- DS/EN ISO 12100:2011 Safety of machinery General principles for design Risk assessment and risk reduction
- ISO/TR 14121-2:2012 Safety of machinery Risk assessment Part 2: Practical guidance and examples of methods
- DS/EN 60079-0:2012 Explosive atmospheres Part 0: Equipment General requirements
- DS/EN 60079-18:2015 Explosive atmospheres Part 18: Equipment protection by
- encapsulation "m"
- DS/EN ISO 80079-36:2016 Explosive atmospheres Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements
- DS/EN ISO 80079-37:2016 Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres

Above mentioned standards are only used in the scope, which is relevant in association with the rattraps application.

14/8 - 2018

Kolding Place and date

ans Knudsen CEO



Atex – and Atex zones



Ratél

Ratél at all times recommends that you have acquired basic knowledge of the Atex concept before mounting equipment in an Atex zone.

The RatTrap ET20 Atex certification allows you to install RatTrap ET20 in explosive environments - in this case, in what is called Atex Zone 2.

Zone 2 is a zone where explosive gases rarely occur - and only for a shorter period of time. In the sewer systems there are seldomly large amounts of explosive gasses, and when they occur, it will normally have a rather short duration.

We define zone 2 in the sewer systems as under the manhole cover and downwards.

The approval applies to the RatTrap itself and the Repeater, since these are the parts mounted in the Atex zone.

The Atex approved equipment is marked with $\langle \widehat{\mathbf{Ex}} \rangle$ or $\langle \widehat{\mathbf{Ex}} \rangle$ - always check if the mark is visible on the device when you mount a trap where the ATEX approval is required.

You should never work with open fire or power tools in an Atex zone.

Always make sure that Atex labeled equipment is intact and correctly assembled before mounting - never attempt to repair Atex-labeled equipment yourself.

RatTrap 🛛 🤇 🤅 🔛	
Specifications ID. No.:	
Type: ET20 2017	
Production year: 2018	RatTrap Repeater CE (Ex)
Voltage: 3,65V Ikmax: 0,6A	Type: ET20 2017
Battery type: EVE, 3,6Ah, ER17505	IP Class: IP68 Ikmax 1.4A
IP class: IP68	Battery type: EVE, 19Ab, ER34615 EX code: Ex II 3G Ex h mC IIA T2 G
EX code: Ex II 3G Ex h mC IIA T2 Gc	
SE Approval: S58	
Ratél Aps Amboten 41A DK-6000 Kolding, Denmark +45 69 89 86 86 www.ratel.dk	
Nameplate RatTrap – design may vary	



VA-certification





Quick Guide RatTrap

Ratél



Page 2 quick guide

Quick Guide RatTrap



Service

Remember the rules for ATEXlabeled equipment - please refer to the manual

Ratél

- Demount the trap
- Change the CO2 canister
- Reset the kill counter
- Note it in the app
- Mount the trap

Relocating a trap

- Demount the trap and mounting kit
- Place magnet in repeater use tape
- Deactivate transmitter in the trap
- Demount communications module
- Demount the trap in the app
- And all in reverse on the new

site...... Replacement of the outer container or killing device

- Demount the trap
- Replace the outer container
- or
- Replace the killing device without further action
- Mount the trap







New unit is activated as per general preparation





Page 1 quick guide