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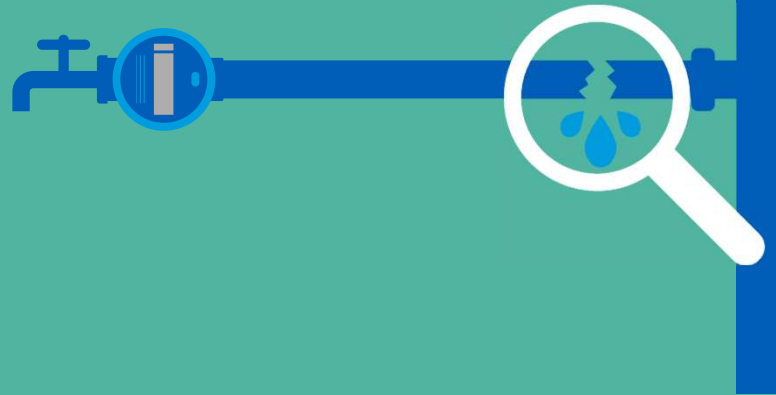
FlowIQ® 2200 med ALD=Acoustic Leak Detection



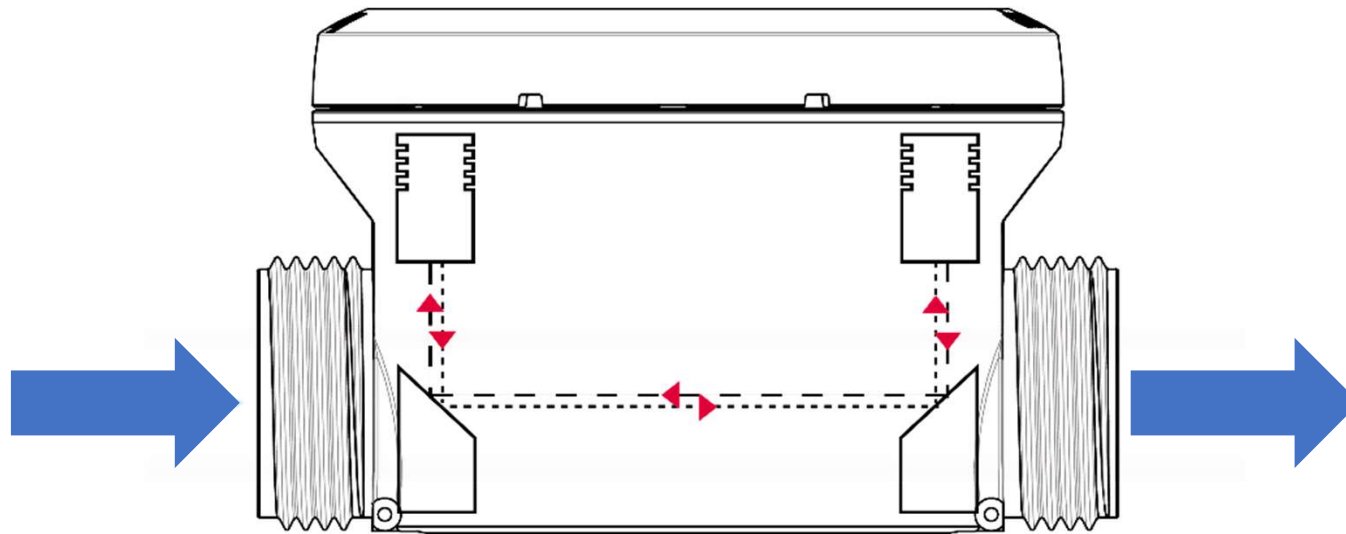
«Q2 2024»

Så, hvorfor har vi laget Akustisk Lekkasje Detektor?

ALD – hjelper deg med å finne lekkasjene du ikke ser!



Ultralyd måleprinsipp



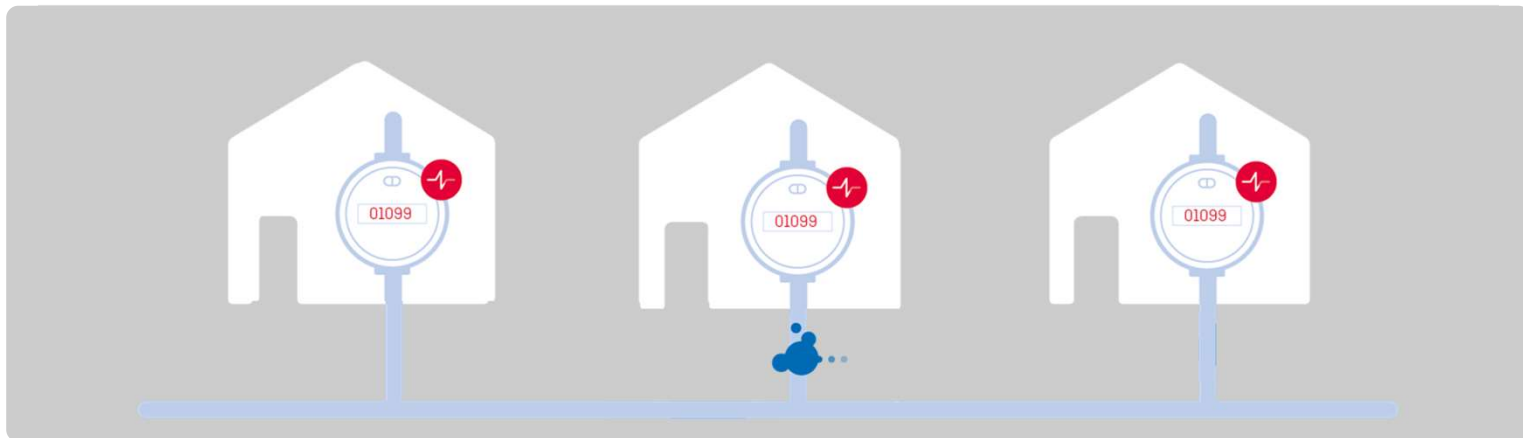
To transdusere sender et ultralydsignal i hver retning gjennom vannstrømmen

Basert på hastighetsforskjellen mellom de to signalene og den indre diameteren, beregnes strømningshastigheten

ALD=Akustisk Lekkasje Deteksjon

Detekterer lekkasjer i stikkledningen

- Ultrasonisk prinsipp
- Tranduserene mottar ultrasonisk støy fra ledningsnett
- Støy nivå sammenlignet over tid for å detektere forandringer



Dashboard

Since last login day October 30, 2023

METERS OF INTEREST

25

NO NEW METERS



METERS IN WARNING LEVEL

31

6 NEW



LEAKS AFTER METER

57



BURSTS AFTER METER

1



Year to date

IDENTIFIED LEAKS

23



ESTIMATED WATER LOSS

0 m³

BASED ON 0 CLOSED LEAK EVENTS



HISTORICAL EVENTS

47



kamstrup Leak Detector

Dashboard

Since last login (Fri October 30, 2020)

METERS OF INTEREST 25	METERS BY WARNING LEVEL 31
LEAKS AFTER METER 57	HOURS AFTER METER 1

Year to date

IDENTIFIED LEAKS 23	ESTIMATED WATER LOSS 0 m ³
-------------------------------	---

HISTORICAL EVENTS
47

kamstrup Leak Detector

Search address or serial no.

Show values by: Latest values

Thresholds

Set thresholds for displayed meters and meters with highest values

0 50 961

High 0 (233)

Medium 0 (8206)

Low 0 (0)

HIGHLIGHTED METERS

Meters of interest 25 (26)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

kamstrup Leak Detector

Dashboard

Since last login day (October 31, 2023)

METERS OF INTEREST 25	METERS IN WARNING LEVEL 31
LEAKS AFTER METER 57	METERS AFTER METER 1
IDENTIFIED LEAKS 23	ESTIMATED WATER LOSS 0 m ³
HISTORICAL EVENTS 47	

Warning level

When a meter exceeds the noise level

kamstrup Leak Detector

Search address or serial no.

Show values by: Latest values

Thresholds
Set thresholds for displayed meters and meters with highest values

050
0 961

High 0 (233)

Medium 0 (8206)

Low 0 (0)

HIGHLIGHTED METERS
In warning level 31 (36)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

kamstrup Leak Detector

Dashboard

Since last login day (October 31, 2023)

METERS OF INTEREST 25	METERS IN WARNING LEVEL 31
METERS AFTER METER 57	METERS AFTER METER 1

Year to date

IDENTIFIED LEAKS 23	ESTIMATED WATER LOSS 0 m ³
-------------------------------	---

HISTORICAL EVENTS
47

kamstrup Leak Detector

Search address or serial no.

Show values by:
Latest values

Thresholds
Set thresholds for displayed meters and meters with highest values

050
0 961

High 0 (233)

Medium 0 (8206)

Low 0 (0)

HIGHLIGHTED METERS
Leaks after meter 57 (57)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

The map displays the Sarpsborg region, including areas like Sarpsborg, HÅLE, and SANDBARKEN. Numerous water meters are marked with black dots on the map. The map also shows water bodies and roads.

kamstrup Leak Detector

Dashboard

Since last login day (October 31, 2023)

METERS IN WARNING LEVEL	31
LEAKS AFTER METER	1
IDENTIFIED LEAKS	23
HISTORICAL EVENTS	47

ESTIMATED WATER LOSS: 0 m³

kamstrup

Leak Detector

Search address or serial no.

Show values by: Latest values

Thresholds

Set thresholds for displayed meters and meters with highest values

0 101 961

High 53 (95)

Medium 6746 (8344)

Low 0 (0)

HIGHLIGHTED METERS

Leaks after meter 57 (57)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

Manuell filtrering av målere

Q Search address or serial no.

Show values by:
Latest values

Thresholds
Set thresholds for displayed meters and meters with highest values

0
53
0 961

High 150 (223)

Medium 6649 (8216)

Low 0 (0)

— HIGHLIGHTED METERS

Leaks after meter 57 (57)

— INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

Q Search address or serial no.

Map List 31/10/2022 → 31/10/2023

Show values by:

Latest values

Thresholds

Set thresholds for displayed meters and meters with highest values

0 53

0 961

High 150 (223)

Medium 6649 (8216)

Low 0 (0)

HIGHLIGHTED METERS

Leaks after meter 57 (57)

INCLUDE

Active events 0 (78)

Closed events 0 (12)

Meters with info codes 0 (170)

Missing data last 30 days 0 (1526)

Ignored meters (27)

SELECTED METERS

Address and serial no.	Event date	Event	Info code	Track	Ignore
Grenseveien 5 Sarpsborg 1709 23267899	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Per Gyntveien 12b Sarpsborg 23618407	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Per Gyntveien 12a Sarpsborg 23618412	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Kjenninghaugveien 31 (nr 2) Sarpsborg 1710 23618350	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Kjenninghaugveien 31 (nr 1) Sarpsborg 1710 23618351	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>

Q Search address or serial no.

Map List 31/10/2022 → 31/10/2023

Show values by: Latest values

Thresholds
Set thresholds for displayed meters and meters with highest values

0 53 0 961

High 150 (223)

Medium 6649 (8216)

Low 0 (0)

HIGHLIGHTED METERS

Leaks after meter 57 (57)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

SELECTED METERS

Address and serial no.	Event date	Event	Info code	Track	Ignore
Lerer Nygårds vei 37A Sarpsborg 1710 23503536	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Lerer Nygårds vei 37B Sarpsborg 1710 23503537	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Lerer Nygårds vei 34 Sarpsborg 1710 23866865	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>

Show values by:
 Latest values

Thresholds
 Set thresholds for displayed meters and meters with highest values

0 53

0 961

High 150 (223)

Medium 6649 (8216)

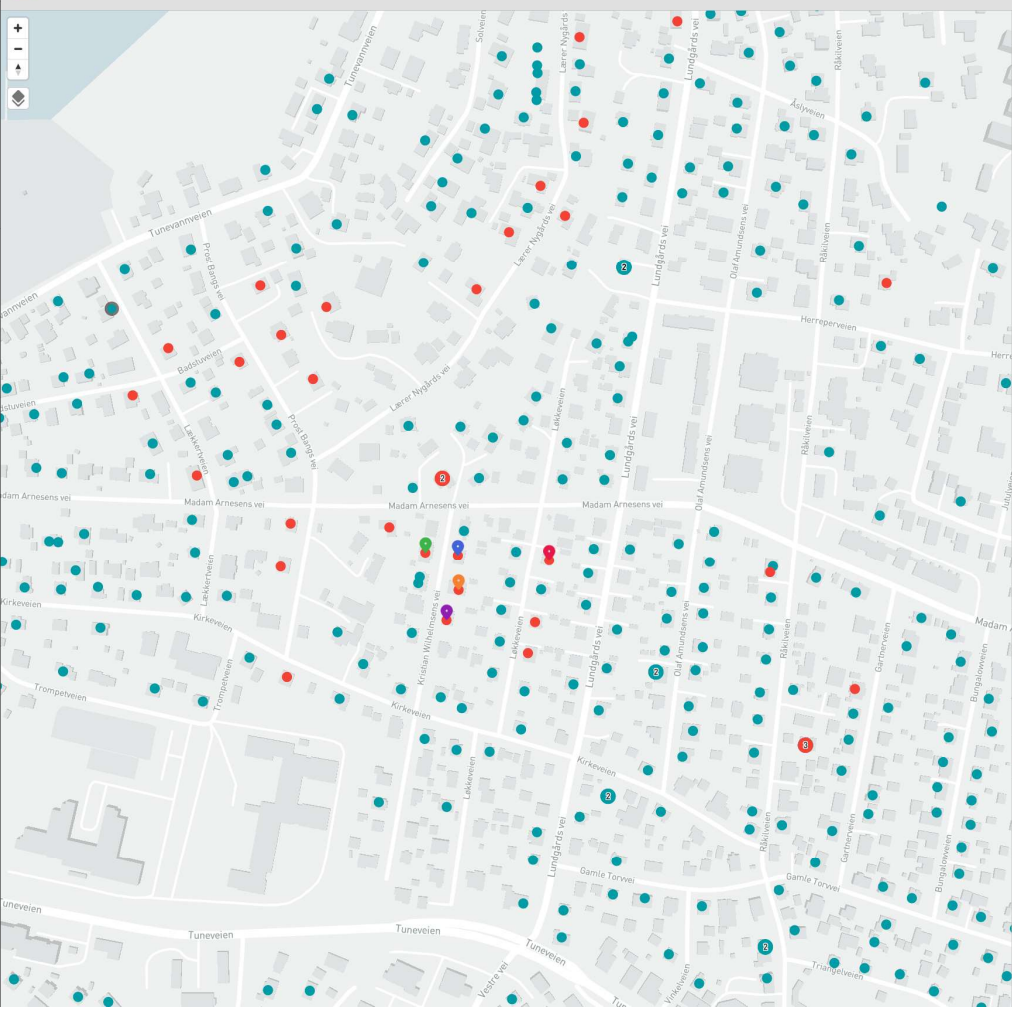
Low 0 (0)

HIGHLIGHTED METERS

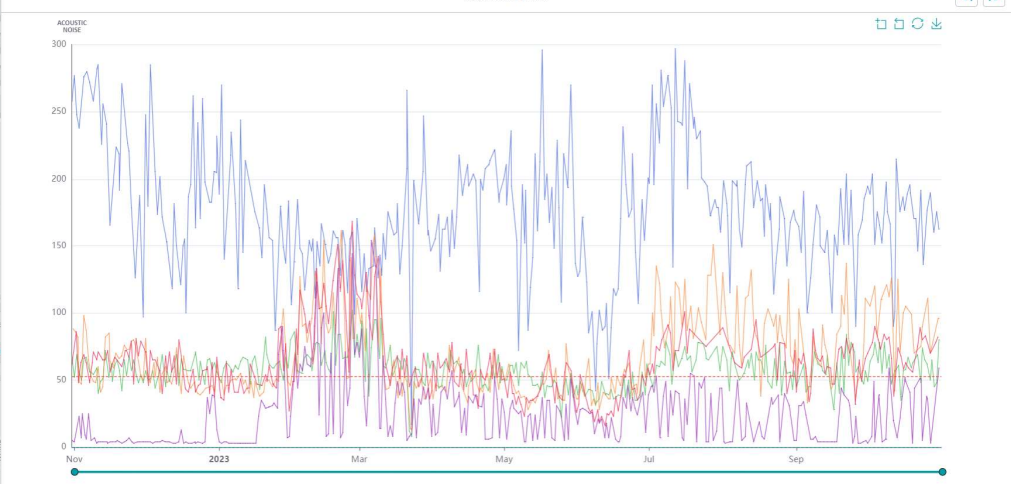
Leaks after meter 57 (57)

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- Ignored meters (27)

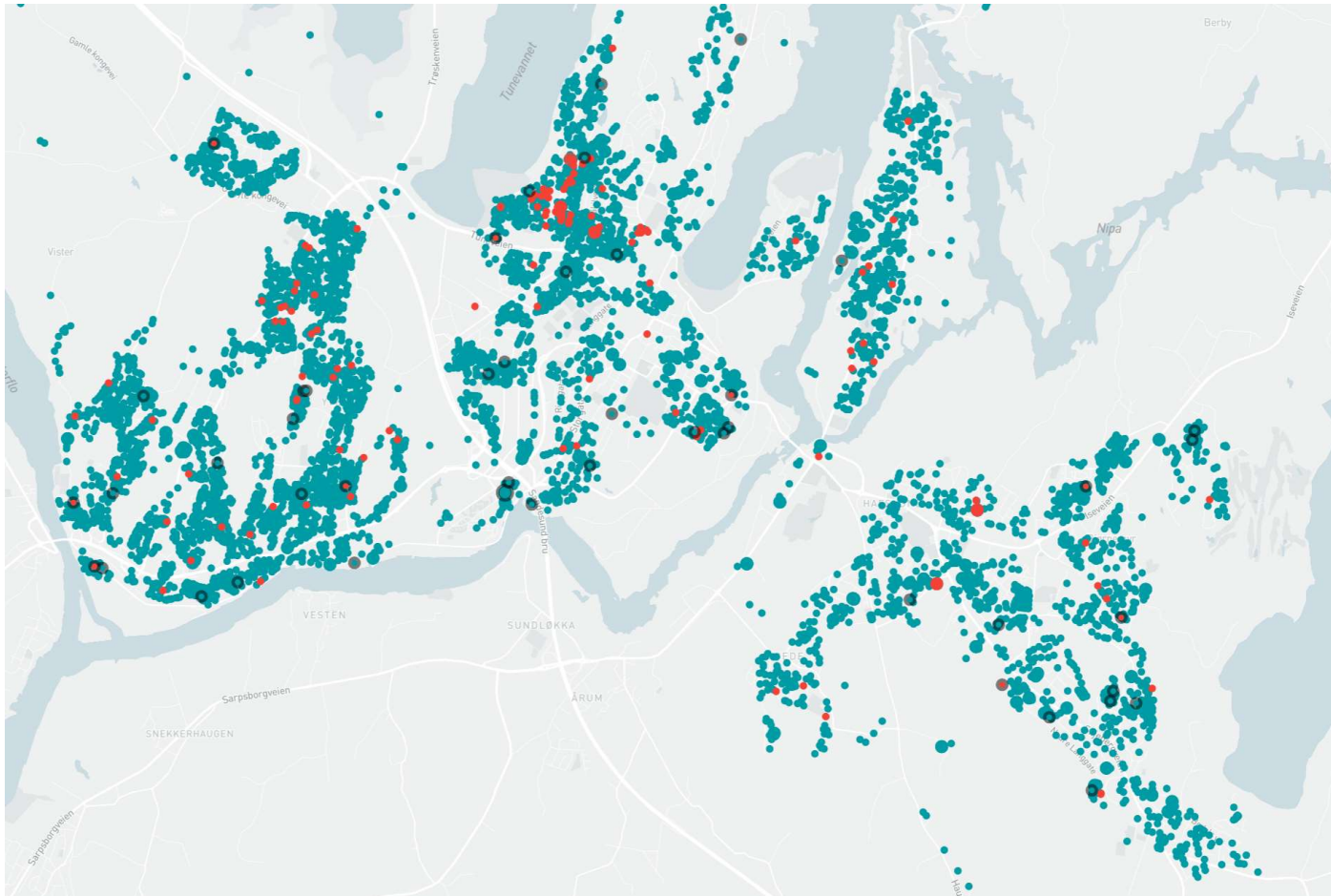


SELECTED METERS



Address and serial no.	Event date	Event	Info code	Track	Ignore
Kristian Wilhelmsens vel 13 Sarpborg 1710 23267810	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Kristian Wilhelmsens vel 16 Sarpborg 1710 23032294	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Kristian Wilhelmsens vel 14 Sarpborg 1710 23617967	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Kristian Wilhelmsens vel 12 Sarpborg 1710 23196167	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>
Løkkeveien 15 Sarpborg 1710 23268036	-	-	+	<input type="checkbox"/>	<input type="checkbox"/>

Tydelig merking av nye og gamle hendelser O



Legge inn kommentarer på hendelser

The screenshot displays a water utility management interface. On the left is a sidebar with search and filter options. The main area is a map showing numerous blue meter icons. On the right, the 'SELECTED METERS' panel features a line graph of flow rate over time and a 'New event' form. A red circle highlights the 'New event' form.

Search: Search address or serial no.

Show values by: Latest values

Thresholds: Set thresholds for displayed meters and meters with highest values

0 5.3 961

High 150 (223)

Medium 6649 (8216)

Low 0 (0)

HIGHLIGHTED METERS

Leaks after meter 57 (57)

INCLUDE

- Active events 0 (78)
- Closed events 0 (12)
- Meters with info codes 0 (170)
- Missing data last 30 days 0 (1526)
- Ignored meters (27)

SELECTED METERS

ANOMALIC FLOW

120 100 80 60 40 20 0

Nov 2023 Mar May Jul Sep

New event

Event date 10/31/2023 11:57 AM *Type of event Please select

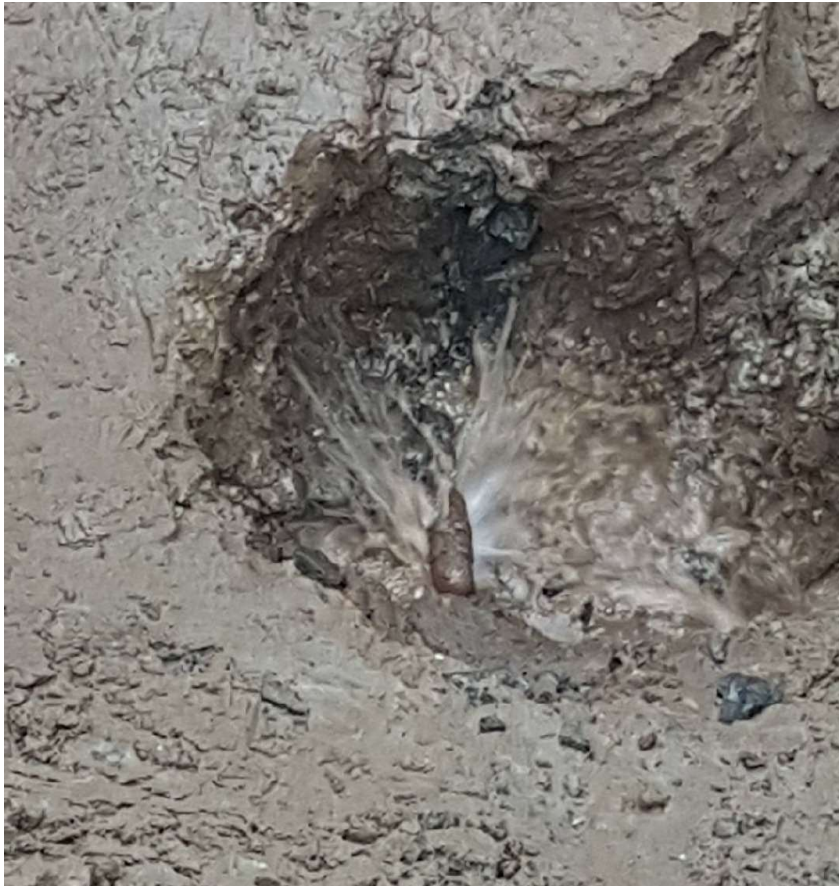
Comment

Meter location Please select Pipe size (mm) Please select Pipe material Please select

Solved

Forbruk i området var 69 m³ pr. døgn!

Forbruk redusert til 9m³ etter tetting!



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