Mobile Tank Solution

Xeelas - Bredenoord

Bredenoord

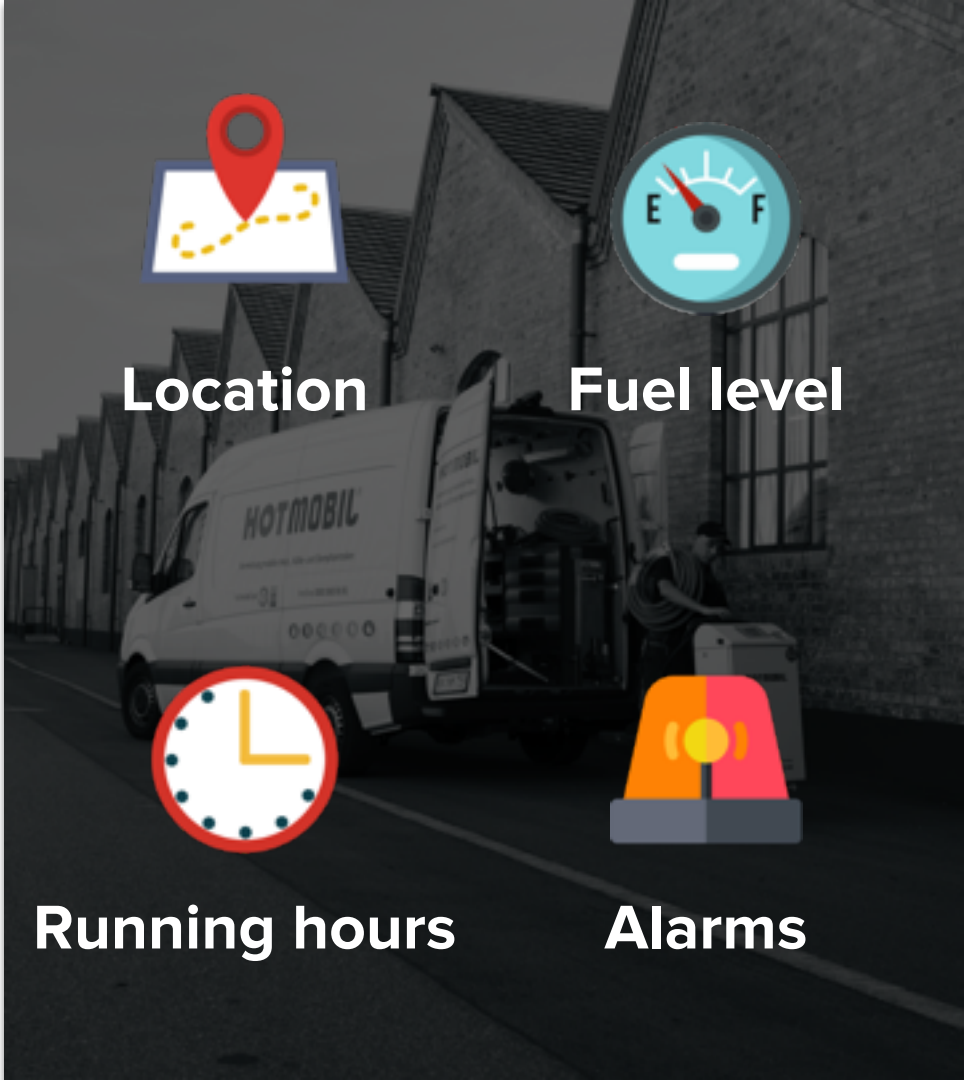
Xeelas

3298 E
Bredenoord
Bredenoord

Bredenoord
D/BAM 171349/TC

What?

Parameters Bredenoord wanted to monitor

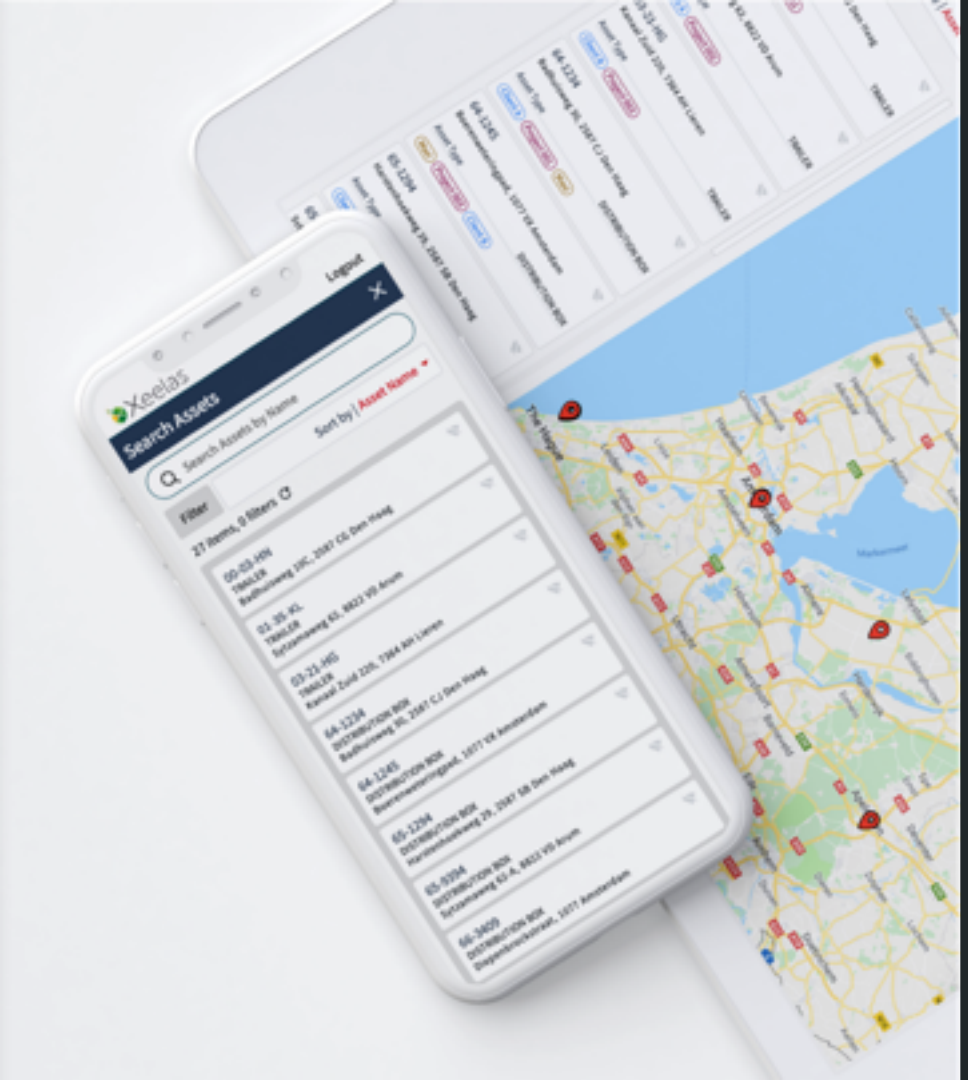


S Series IP67

Mobile Fuel Tank

Installation example

- Easy installable
- Low power ultrasonic sensor
- Solar powered 15+ years lifetime
- Internal battery without sun lifetime 6 months
- IP67 water resistant



Portal

- Total fleet overview
- Visualization of data
- API available for integration with current system
- Connections with ERP systems available

Bredenoord

- Dashboard
- Assets
- Map
- Add Asset

REFRESH

Asset				Data			
Name	Type	City	Labels	Connected	Status	Alarms	Fuel Level
	FUEL TANK		ALL LABELS				
HTU1242	FUEL TANK	Zeewolde	FIELD TEST	OFF			91 %
HTU1303	FUEL TANK	Diemen	FIELD TEST	ON			42 %
HTU1352	FUEL TANK	Apeldoorn	FIELD TEST	ON			101 %
HTU1945	FUEL TANK	Apeldoorn	FIELD TEST	OFF			101 %
HTU2265	FUEL TANK	Almere	FIELD TEST	ON			77 %
HTU2276	FUEL TANK	Wörnitz	FIELD TEST	ON			97 %
HTU2366	FUEL TANK	Amsterdam	FIELD TEST	ON			102 %
HTU4188	FUEL TANK	Surhuisterveen	FIELD TEST	ON			102 %
HTU6004	FUEL TANK	Wilp	FIELD TEST	ON			104 %
HTU6036	FUEL TANK	Sint Maartensvlotbrug	FIELD TEST	ON			74 %
HTU6092	FUEL TANK	Apeldoorn	FIELD TEST, FUEL SENSOR REMOV...	ON			110 %
HTU6146	FUEL TANK	Sluiskil	FIELD TEST	ON			105 %
HTU6168	FUEL TANK	Terneuzen	FIELD TEST	ON	• no fuel		3 %
HTU6194	FUEL TANK	Apeldoorn	FIELD TEST	ON			99 %
R0201	FUEL TANK	Bonn	FIELD TEST	ON			89 %
R3071	FUEL TANK	Apeldoorn	FIELD TEST	ON			101 %
R3074	FUEL TANK	Apeldoorn	FIELD TEST	ON			56 %
R3076	FUEL TANK	Almelo	FIELD TEST	ON			96 %
R3091	FUEL TANK	Etten-Leur	FIELD TEST	ON			96 %
R3094	FUEL TANK	Ter Aard	FIELD TEST	ON			57 %

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kibana

- Discover
- Visualize
- Dashboard
- Timelion
- Canvas
- Maps
- Machine Learning
- Infrastructure
- Logs
- APM
- Uptime
- Dev Tools
- Management

Default

Collapse

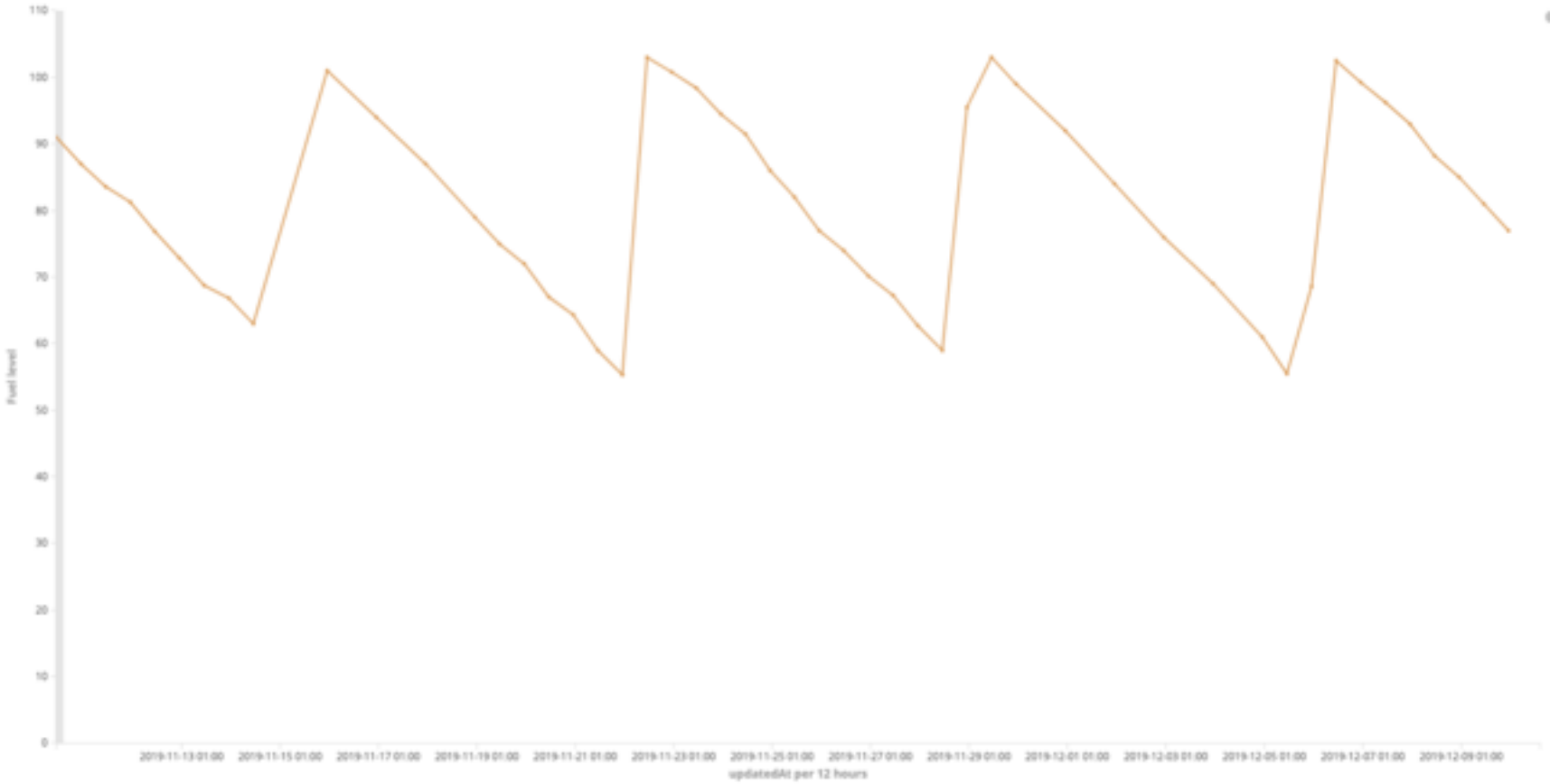
Dashboard / messages-dashboard

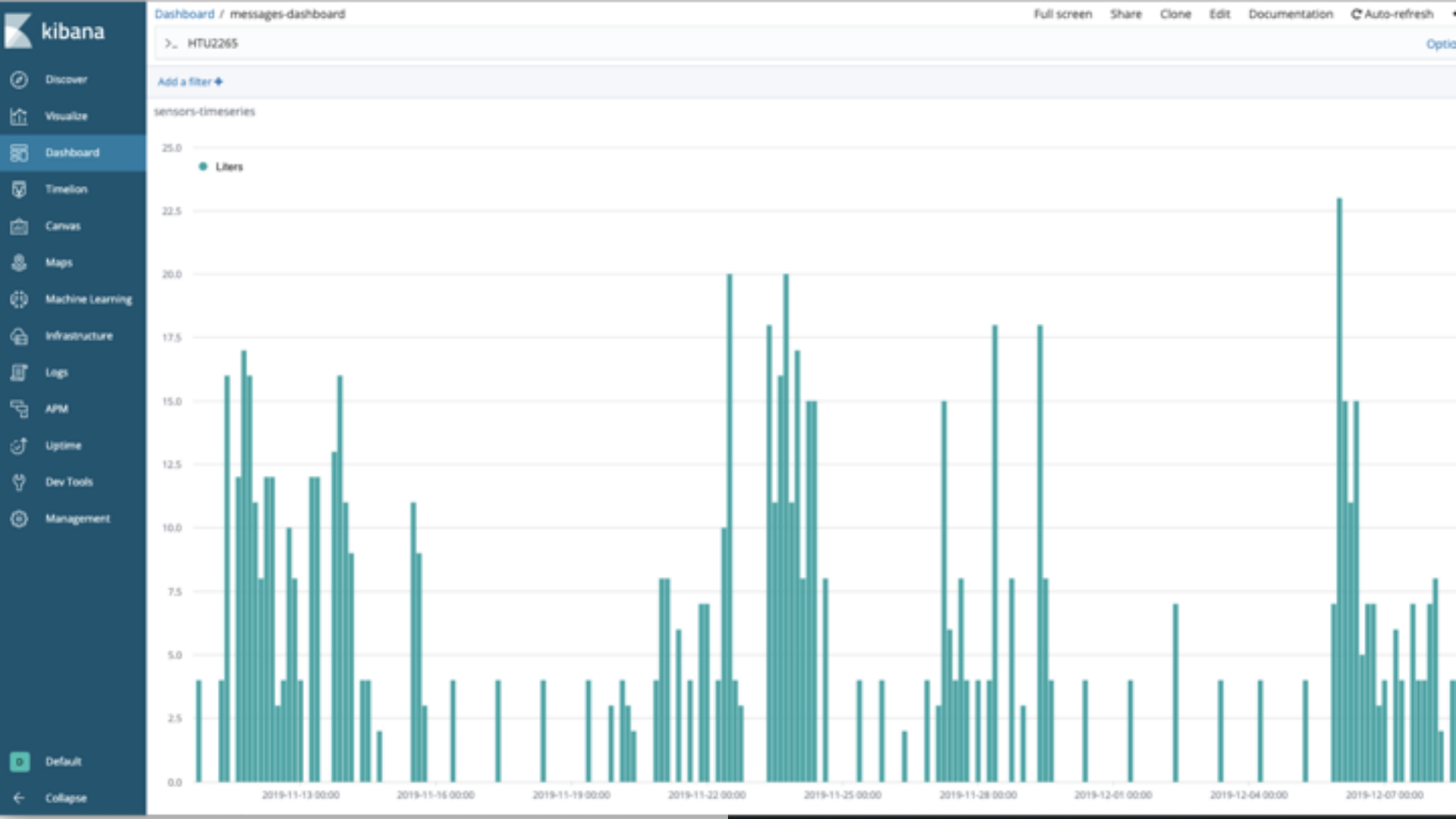
Full screen Share Clone Edit Documentation Auto-refresh

>_ HTU2265

Add a filter +

sensors-fuel




kibana
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>_ HTU2265
Add a filter +
sensors-timeseries
Liters
25.0
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
2019-11-13 00:00
2019-11-16 00:00
2019-11-19 00:00
2019-11-22 00:00
2019-11-25 00:00
2019-11-28 00:00
2019-12-01 00:00
2019-12-04 00:00
2019-12-07 00:00

Next Steps

- Power monitoring
- Energy quality logging
- Optimal machine usage
- Carbon footprint trends
- Emission reductions

Lessons Learned

- Implementation is key
- Product data management
- We need the users
- You’re directing an orchestra
- It’s never finished

Thank you

Dick Klaassen
dick.klaassen@xeelas.nl
06 52316396