Agenda

- ▶ Company presentation

- ▶ The construction industry

- ▶ Fullup's activities

  - ▶ IoT integrators

  - ▶ Softwares

  - ▶ Tankmonitoring operations

  - ▶ Our customers

- ▶ Our proposal

Fullup

Fullup

▶ *We use the Internet of Things to help the construction industry operators and petroleum distributors to increase their visibility on the tank consumption and the optimal reorder point. By installing IoT devices on the tanks, we close the informational cap that exists between the different stakeholders.*

▶ Concretely, we have developed a turn-key IoT solution to help you **increase the tracability of your fuel consumption on site** while optimising **the purchase process.**

The construction industry

The construction industry challenges

Decentralised Consumption
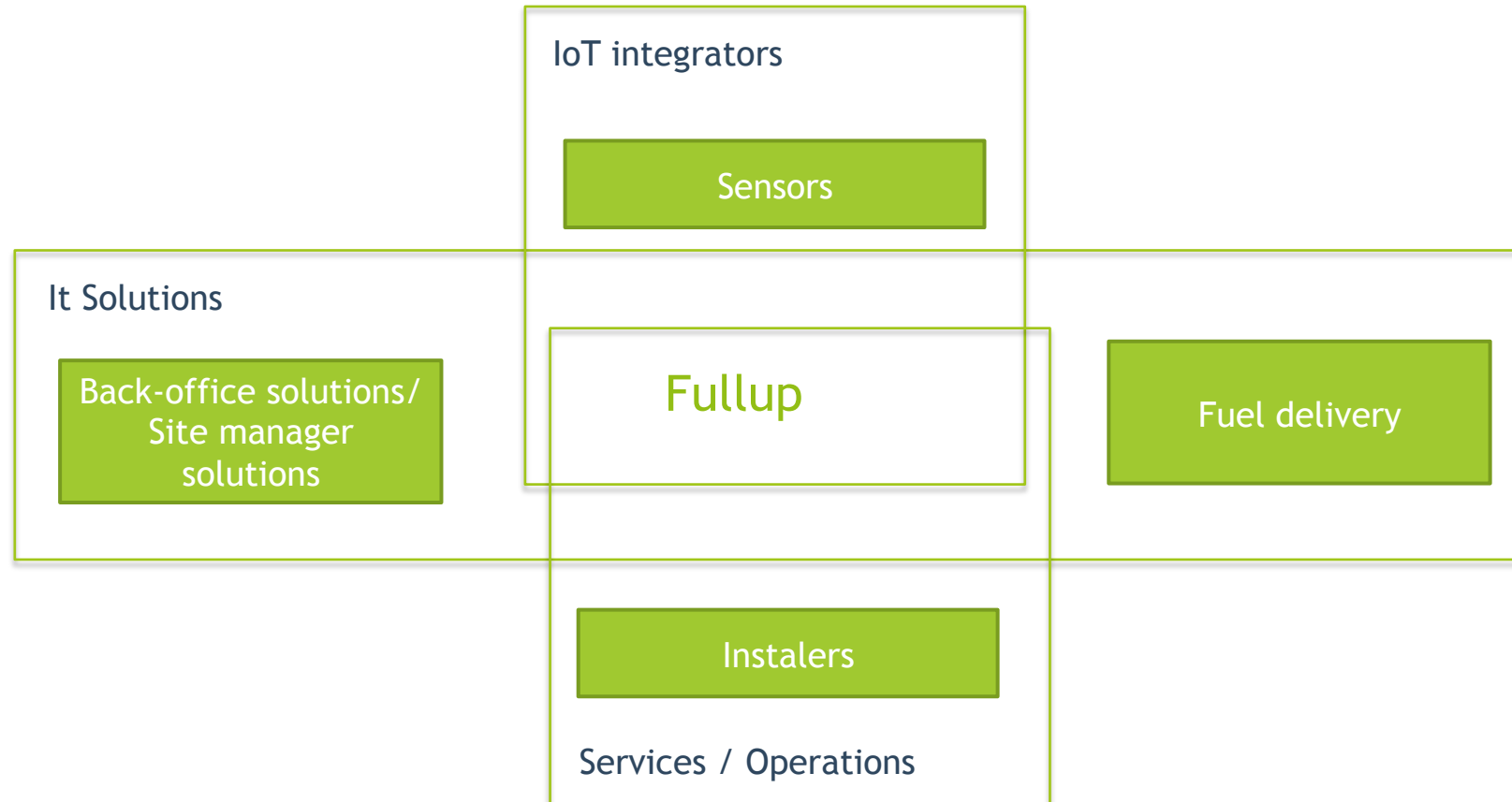
Oil theft

Unknown budget/ site

Mistakes in tank delivery

The construction industry challenges

Monitor	Inform	Inform	Contact Suppliers	Receive Fuel	Raise Request	Payment	Monitor
Low Fuel Alert							
Maintenance staff	Maintenance staff	Facility manager	Supply chain	Supply chain, facility manager and maintenance Staff	Supply chain	Finance	Maintenance staff and security company
Checks fuel level	Inform facility manager	Sends email request to supply chain	Negociates price request diesel	Confirm quality	Fill approval memo on sharepoint	Pay supplier	Checks for leakage Monitor for theft
				Confirm quantity			

Fullup: the company & activities

Fullup

An End to End, from the captor to the user...

IoT integrators

Sensors

It Solutions

Back-office solutions/
Site manager
solutions

Fullup

Fuel delivery

Instalers

Services / Operations

... To enable you to enjoy 100% of the telemetry upsites
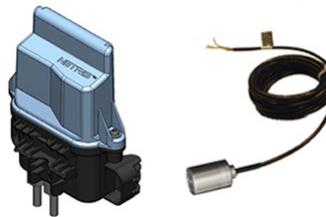
1. Sensor integrators

Fullup

LoRa

▶ **Ultrasonic**

The distance from the top of the vessel to the liquid is measured by evaluating the transit time of the sound waves. The distance is then converted into volume using the information provided by the customer.

▶ **Pressure**

The liquid level measurement is measured evaluating the liquid pressure on a sensor at the bottom of the vessel. The distance is then converted into volume using information provided by the customer.

sigfox operator

2G

▶ **Other**

Capacitive, radar waves, etc. Based on customer requests, we are able to integrate new technologies.

2. It Solutions

Summary

▶ Ideal for monitoring the level of a larger number of sensors and the quantities required

▶ Convenient for easy sharing of probes

Functionnalities

▶ Sorting by fill level

▶ Tank dimensions

▶ Consumption graph

▶ Geolocalisation (optional)

Fullup
Divers customers

- ▶ Petroleum companies
- ▶ Building trustees
- ▶ Farms and small industries
- ▶ Municipalities
- ▶ Construction industry

- ▶ …

Proposal

Collaboration proposal

Install sensors on your delocalised fuel tanks to:

▶ Control consumption and theft

▶ Analyse spendings

▶ Order at your optimal reorder point

▶ Avoid shortages

▶ Geolocalise tanks (optional)

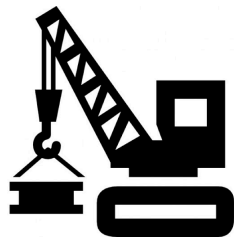**Future**

Request Fuel	Select Best Offer	Payment	View alert

Low Fuel Alert

Facility manager	Facility manager	Finance	Facility manager
Sends fuel request notification to suppliers	Selects offer from supplier with the best deal	Pay Supplier	View quantity of fuel supplied, fuel level and other information

Collaboration proposal

Fullup

Sensor integration

It Solutions to

- Visualize the level on site
- Integrate information into ERP and management software

IT solutions for the improvement of the ordering process.

Fullup

▶ *We use the Internet of Things to help the construction industry operators and petroleum distributors to increase their visibility on the tank consumption and the optimal reorder point. By installing IoT devices on the tanks, we close the informational cap that exists between the different stakeholders.*

▶ Concretely, we have developed a turn-key IoT solution to help you **increase the tracability of your fuel consumption on site** while optimising **the purchase process.**

Questions?

Sales

cdeviron@fullup.be - Co-founder & Ceo (+32 470 05 13 24)

Technical and support

support@fullup.be