



Adventum Tech Ltd.

LiveLoad

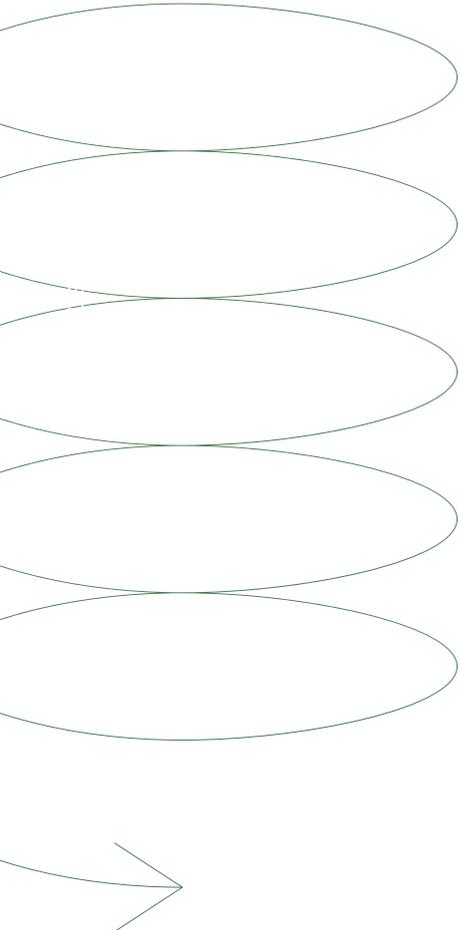
TempSense

DeflectSense

FlowSense

SafePit

GroundControl



about Adventum Tech

Adventum Tech Limited is a Latvian based company, that focuses on development of revolutionary hardware and software for unique applications within construction, production, mobility and energy sector.

Our Team has extensive experience within focus industries across Baltic and Scandinavian countries, that gives a strong advantage understanding the need of the end customer, and value to the end product.

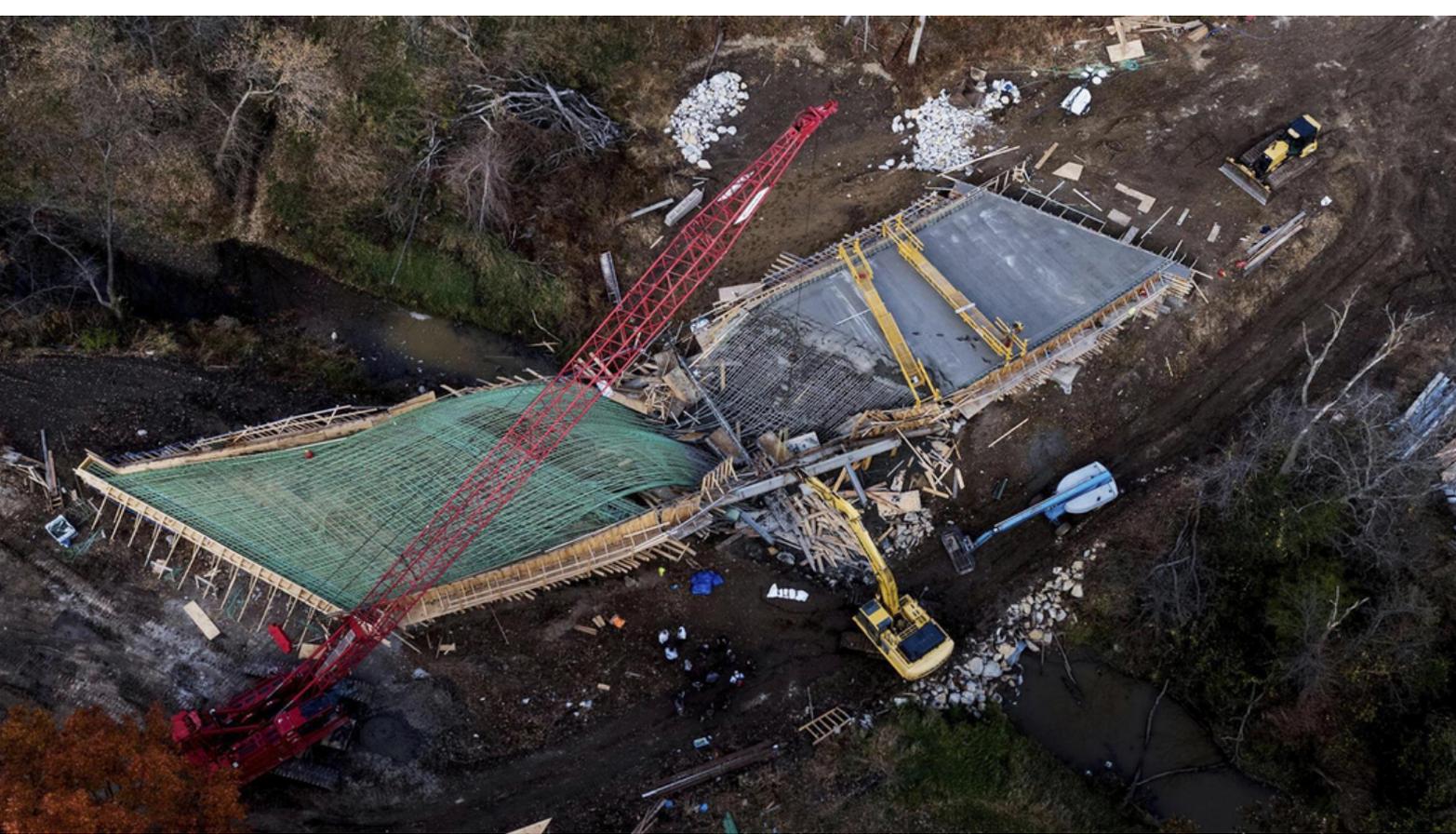


Problem that Adventum Tech solves





Nordjylland, 2006



Missouri, USA, 2022

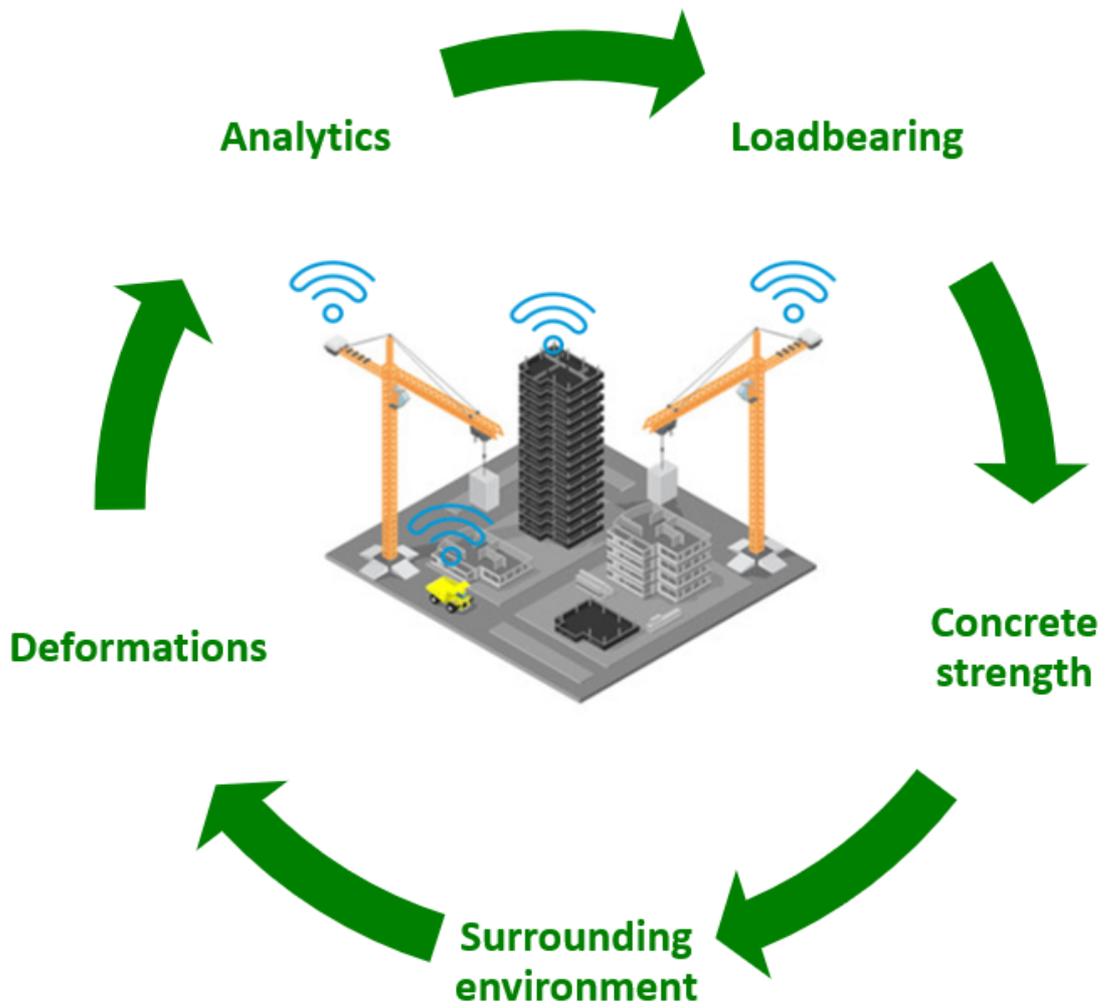


Trondheim, Norway 2013



Helsingormotovej, 2014

SERVICE



LiveLoad

LiveLoad is a hardware solution uniquely developed by Adventum Tech that monitors loadbearing of temporary and permanent supports. LiveLoad sensor system tasks are:

- to monitor overall loadbearing of the structure
- to detect overloaded supports eliminating any risk of further deformation, deflection or even collapse
- to record total weight of reinforcement and concrete applied in the structure
- to record the progression of reinforced concrete structure's development
- to increase safety and transparency of erecting superstructure's behavior

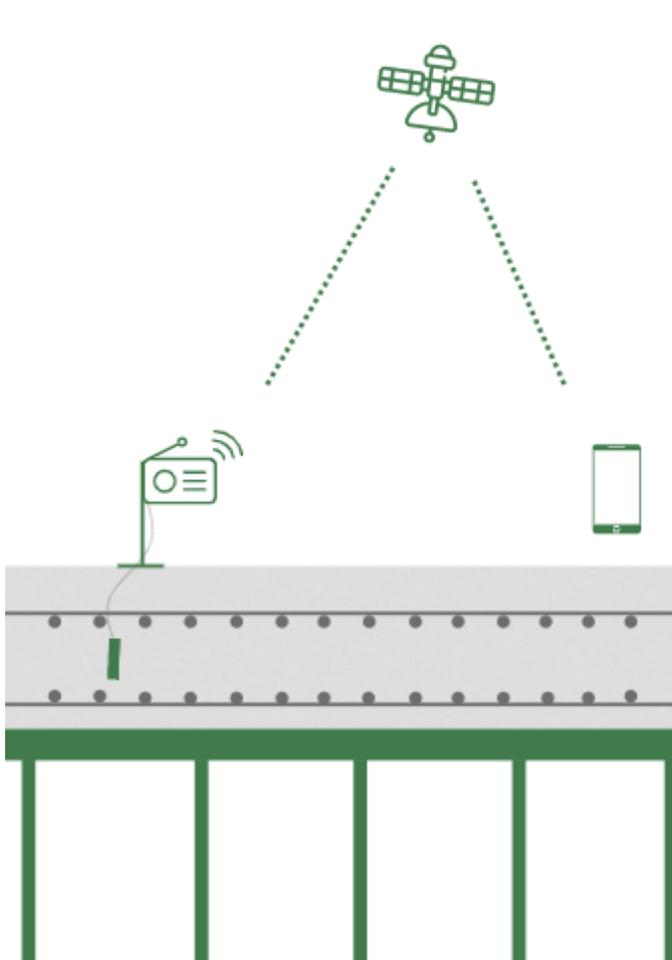


TempSense

TempSense is a hardware sensor solution that monitors concrete's curing temperature in reference to the air temperature and concrete's age.

TempSense sensor system tasks are:

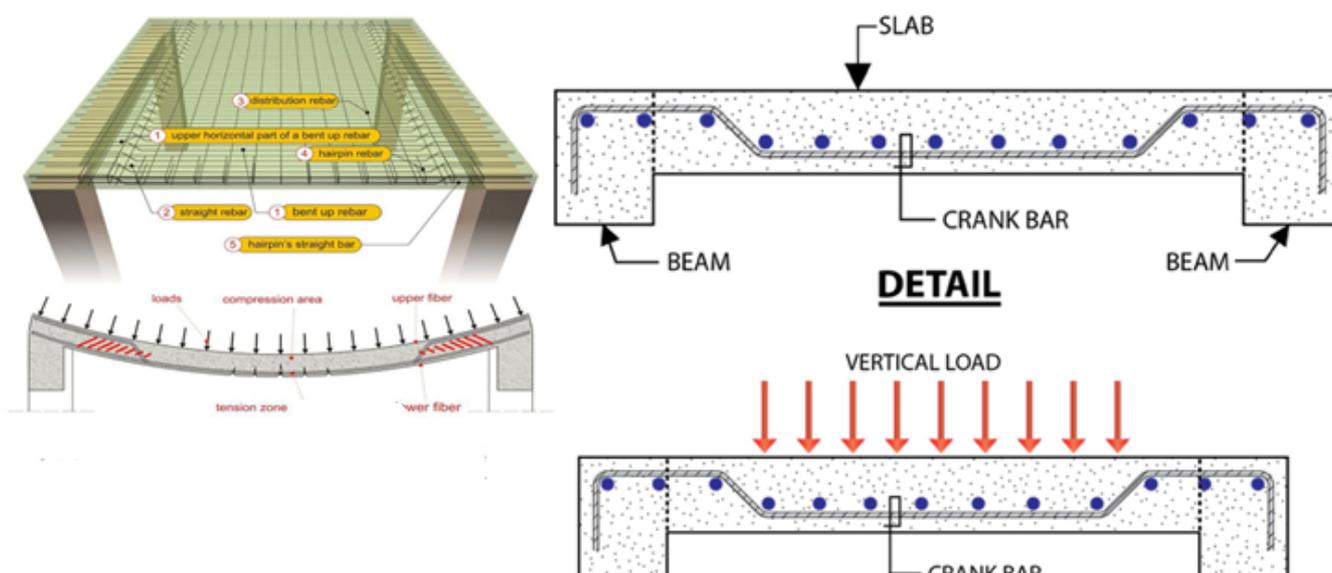
- to record concrete's curing temperature
- to record air temperature
- to record concrete's age
- to input recorded data for further analytics to estimate concrete's maturity and strength



DeflectSense

DeflectSense is a hardware sensor solution that monitors structure's bending deflection. DeflectSense sensor system tasks are:

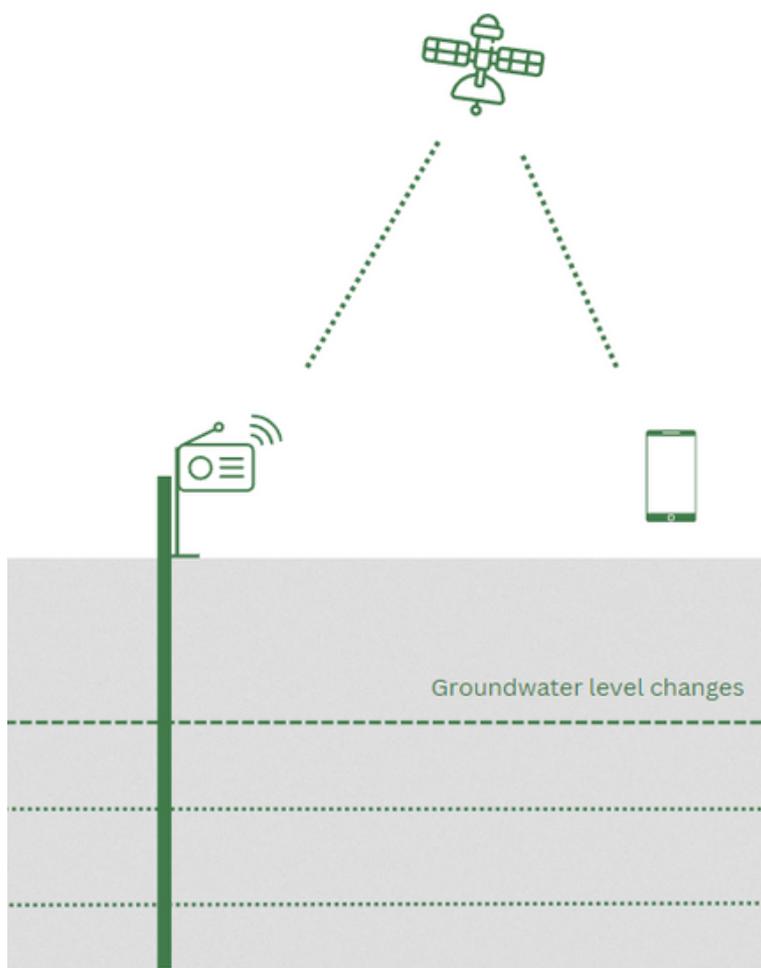
- to record bending deformation of the structure
- to input recorded data for further analytics
- to inform project stakeholders about structure's in-situ deformation



FlowSense

FlowSense is a hardware sensor solution that monitors groundwater level from the groundwater management well. FlowSense sensor system tasks are:

- to record groundwater level
- to record groundwater temperature
- to record air temperature
- to record hydrostatic pressure
- to input recorded data for further analytics for groundwater management

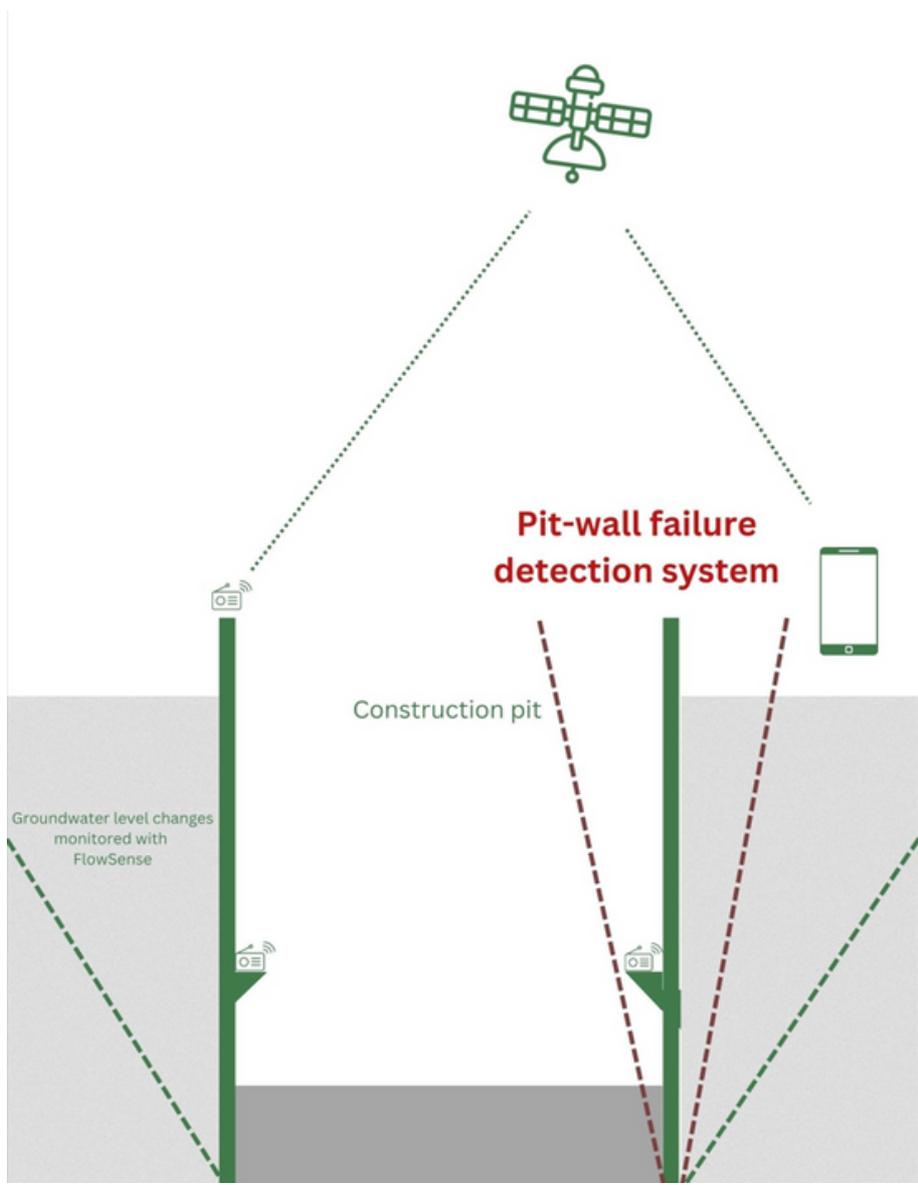


SafePit

SafePit is a safety sensor system developed by Adventum Tech that monitors the stability of construction pit's structural retaining walls: secant pile wall, diaphragm wall, sheet pile wall, slurry wall and other. In case of detected deformations, SafePit system will immediately inform the management to prepare additional inspections if necessary.

SafePit sensor system tasks are:

- to record retaining wall stability
- to record detected tilting and loadbearing
- to input recorded data for further analytics retaining wall stability
- to alarm if pit-wall's failure patterns are detected

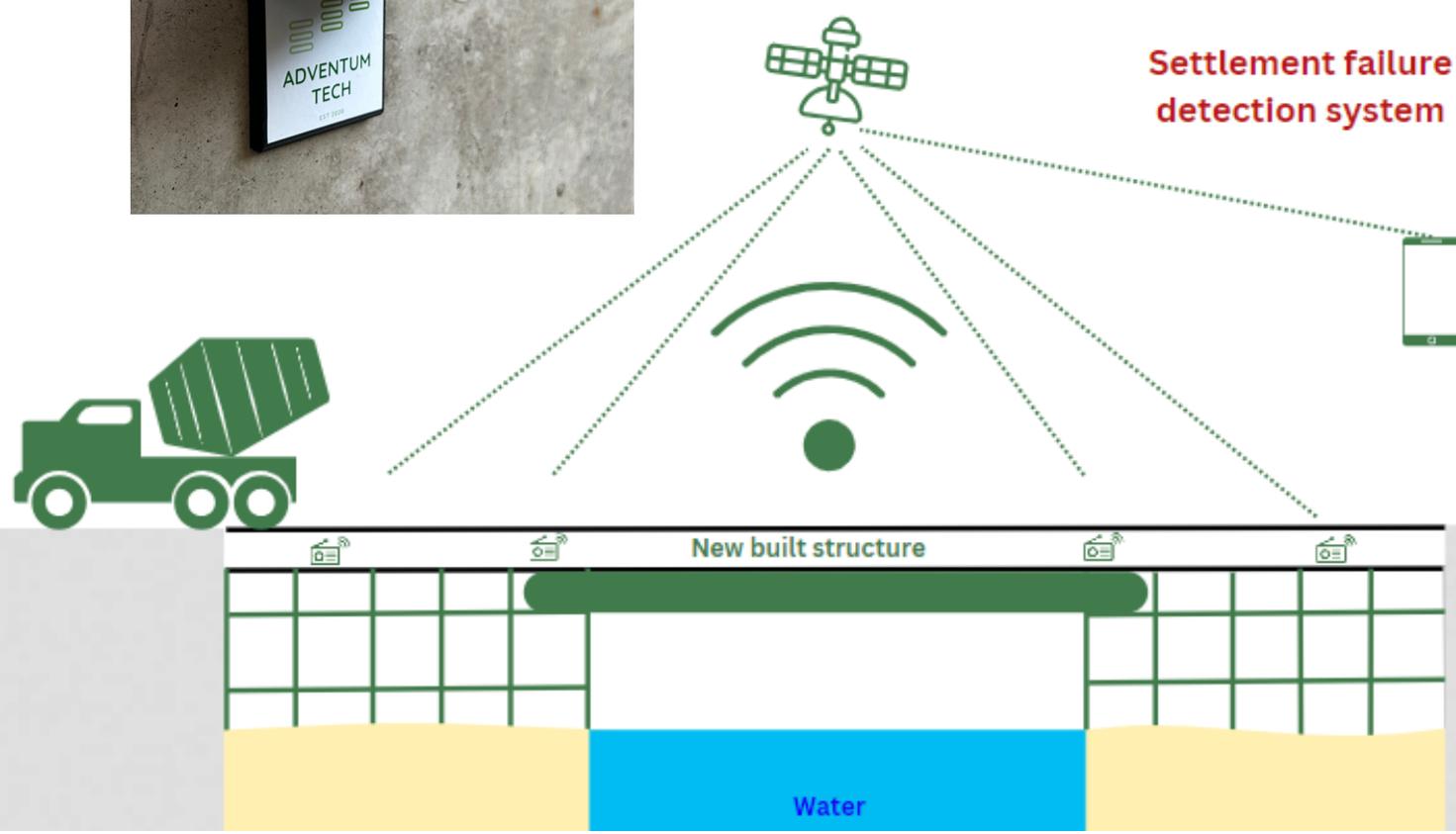


GroundControl

GroundControl is a sensor system developed by Adventum Tech that monitors supporting structures and supporting soil stability. In case of detected settlements, GroundControl system will immediately inform the management to stop the works to prepare additional inspections if necessary.

GroundControl sensor system tasks are:

- to record structures stability
- to record detected tilting, settlements, any movements
- to input recorded data for further analytics to enhance safety and stability
- to alarm if settling failure patterns are detected

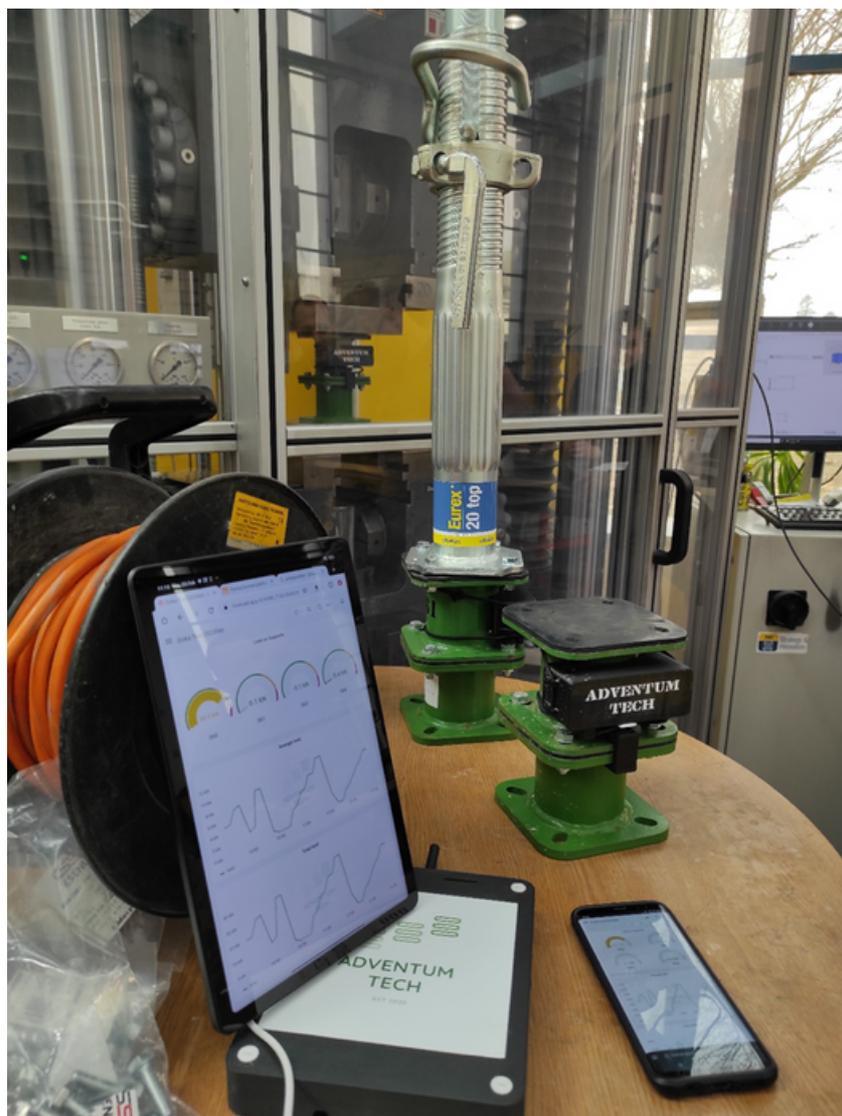


Sensor systems



Liveload.app

All data is transmitted to the internet based software solution developed by Adventum Tech Ltd - **liveload.app** where the data is collected, stored, analyzed and displayed. Liveload.app service allows to keep valuable data with easy and protected access to all involved stakeholders in one place. The data is easily perceived and can be designed and modified according to the customer metric needs.



MEASURING THE INVISIBLE



**ADVENTUM
TECH**

EST 2020

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