



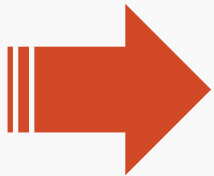
SURVIOT



Continuous structural health monitoring improves the safety of your projects

Traditional approach

Manual data collection on-site
and data entry



Current digital approach

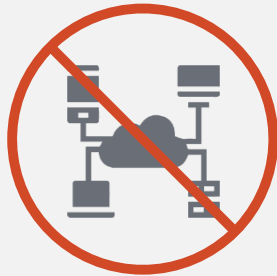
Near real-time data acquisition
and automated data entry



SURVIOT approach

Most digital structural health monitoring solutions are still not perfect

Current digital approach



Integration is difficult when using sensors from multiple vendors



Project scaling issues



On-site professional inspection is regularly required



Difficult resource optimisation



Engineering systems are often incompatible

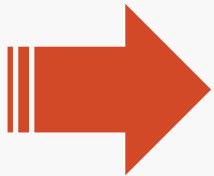


Synchronisation overhead

Continuous structural health monitoring improves the safety of your projects

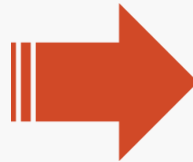
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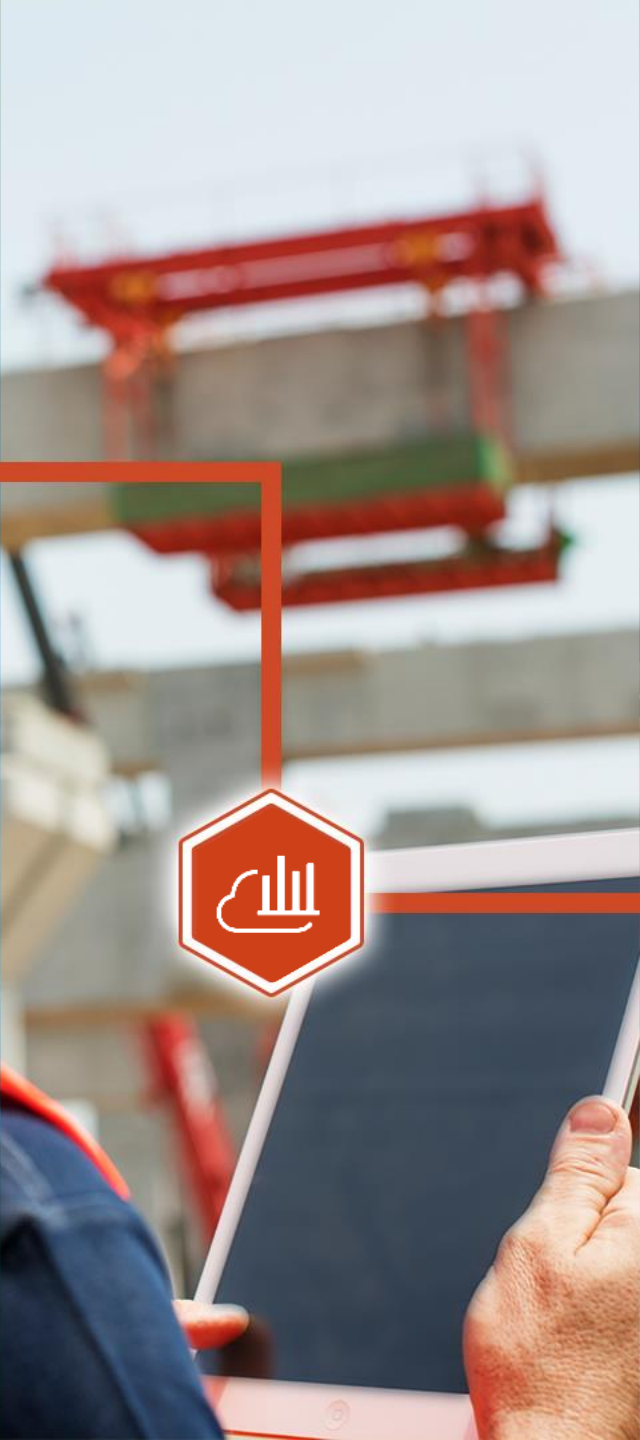


SURVIOT approach



SURVIOT

SURVIOT is an end-to-end IoT structural health monitoring solution



Data acquisition using our self-service sensor solution called PODs

Sensor agnostic solution: We can integrate all sensors producing digital output

Currently we actively use:



SURVIOT GNSS POD



SURVIOT Inclino POD



SURVIOT Well POD



SURVIOT's cloud-first, modular engineering backend creates professional insights

Data warehouse approach



Data acquisition
even from
third party sensors

Scalable



Cloud First
Containerized
modules

Engineering backend



Compatible with
Digital Twins
Machine learning
algorithms
Outlier detection

Customizable



Straightforward user
privilege and sensor
control

Weather-data correlation

Shows amplitudes in past 24 hours

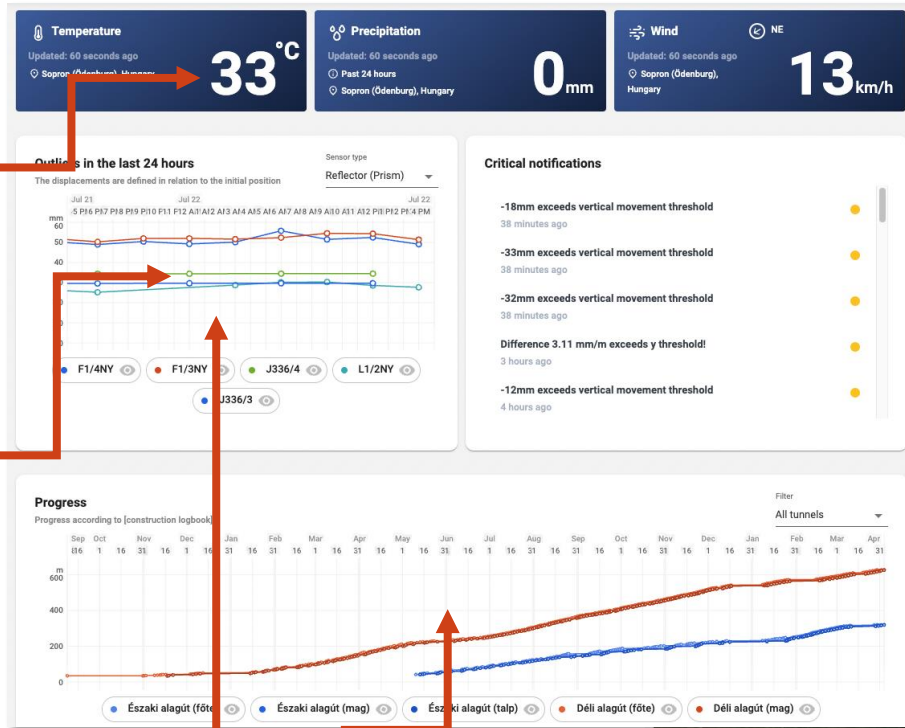
Constant, real-time analysis

Historic data on charts

Location of sensors on map

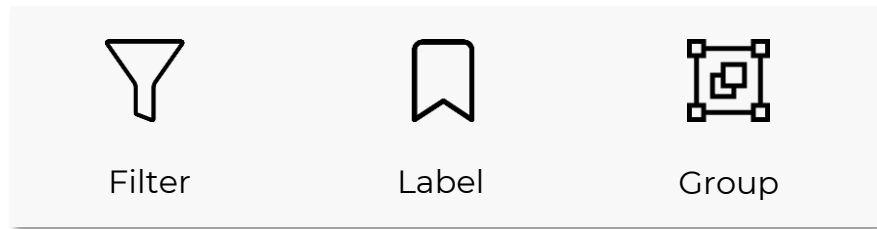
AR view for on-site data analysis

List of the location of PODS

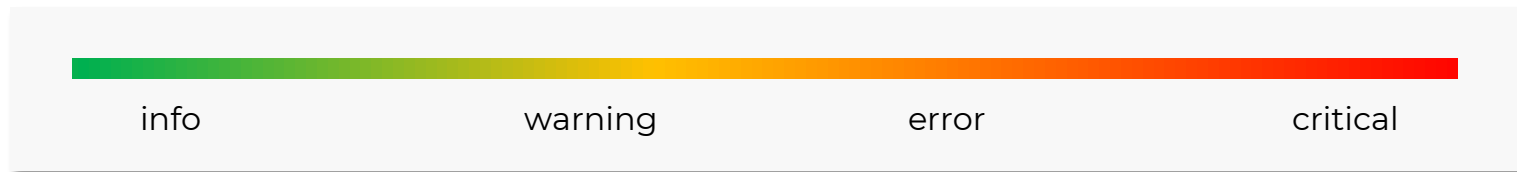


When certain values reach a given threshold the SURVIOT system sends alerts

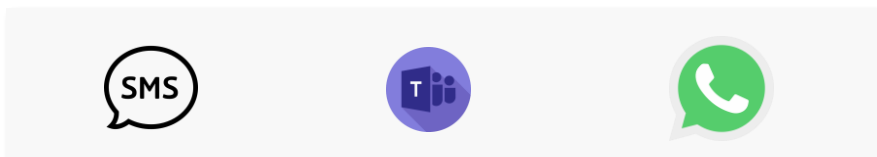
Reporting is customizable and automated



4 alert levels according to risk:



Integrate alerts in business processes with our integrations:





You can check
sensoral data on-site
with our AR application

Our reference project – keeping a tunnel construction safe

Scope

Monitoring the 780-meter-long M85 tunnel construction near the Austrian border

Client



The project in numbers



10k surveyor hours saved



54 Stakeholders actively following the state of the project using our system



26k alerts and 129 weekly reports

This was possible with:



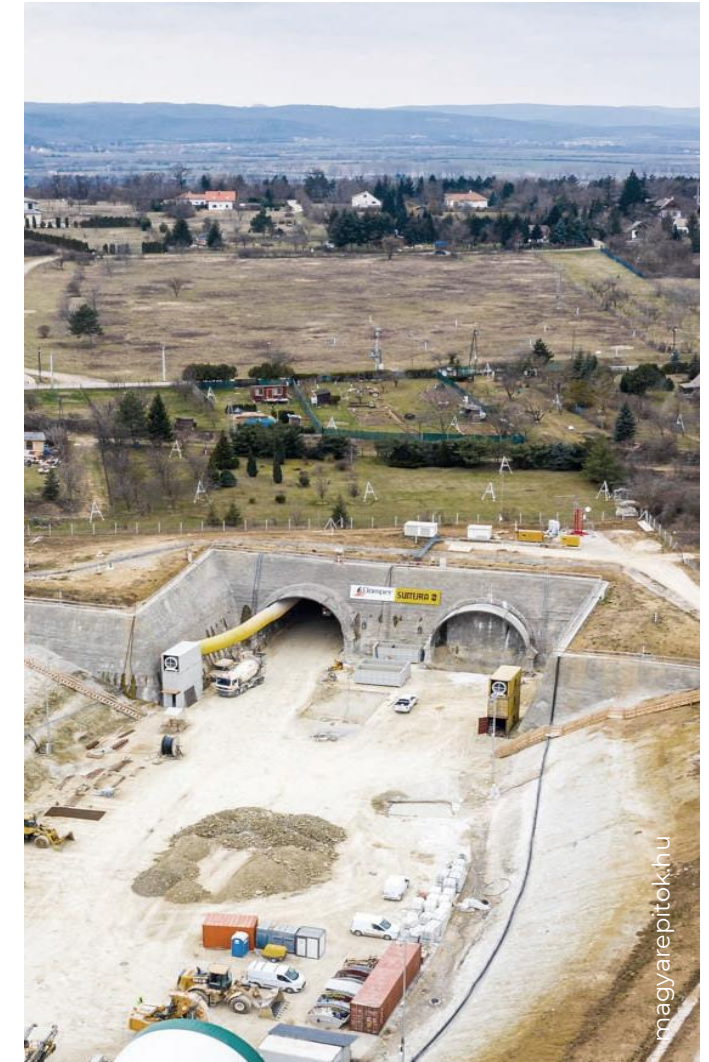
our cloud based software (SaaS)



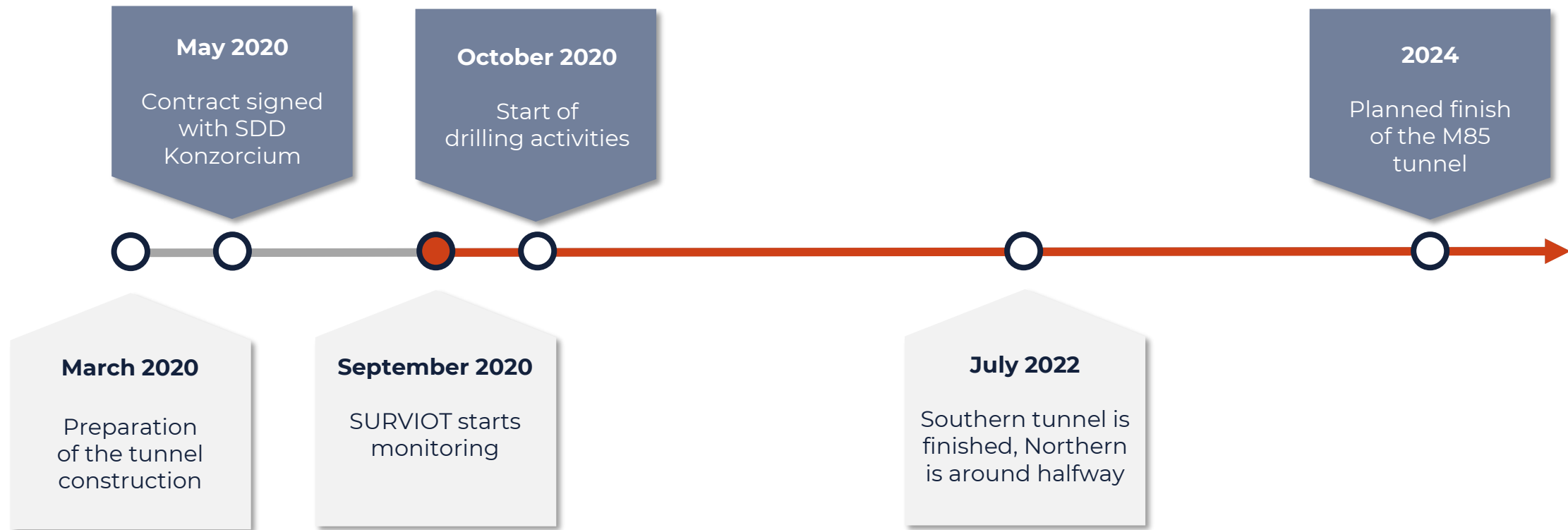
70+ sensors monitoring



300+ monitored points



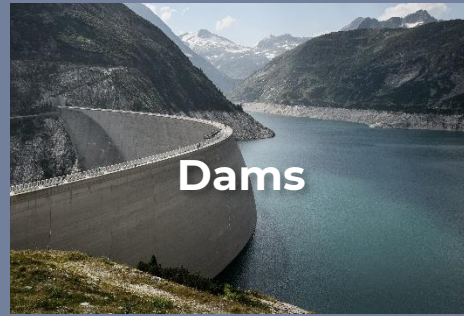
Our reference project – keeping a tunnel construction safe



We can monitor several kinds of structures



Bridges



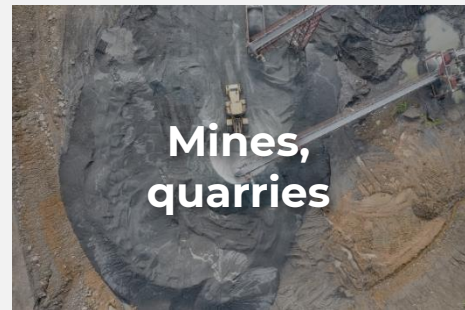
Dams



Tunnels



**Historical
landmarks**

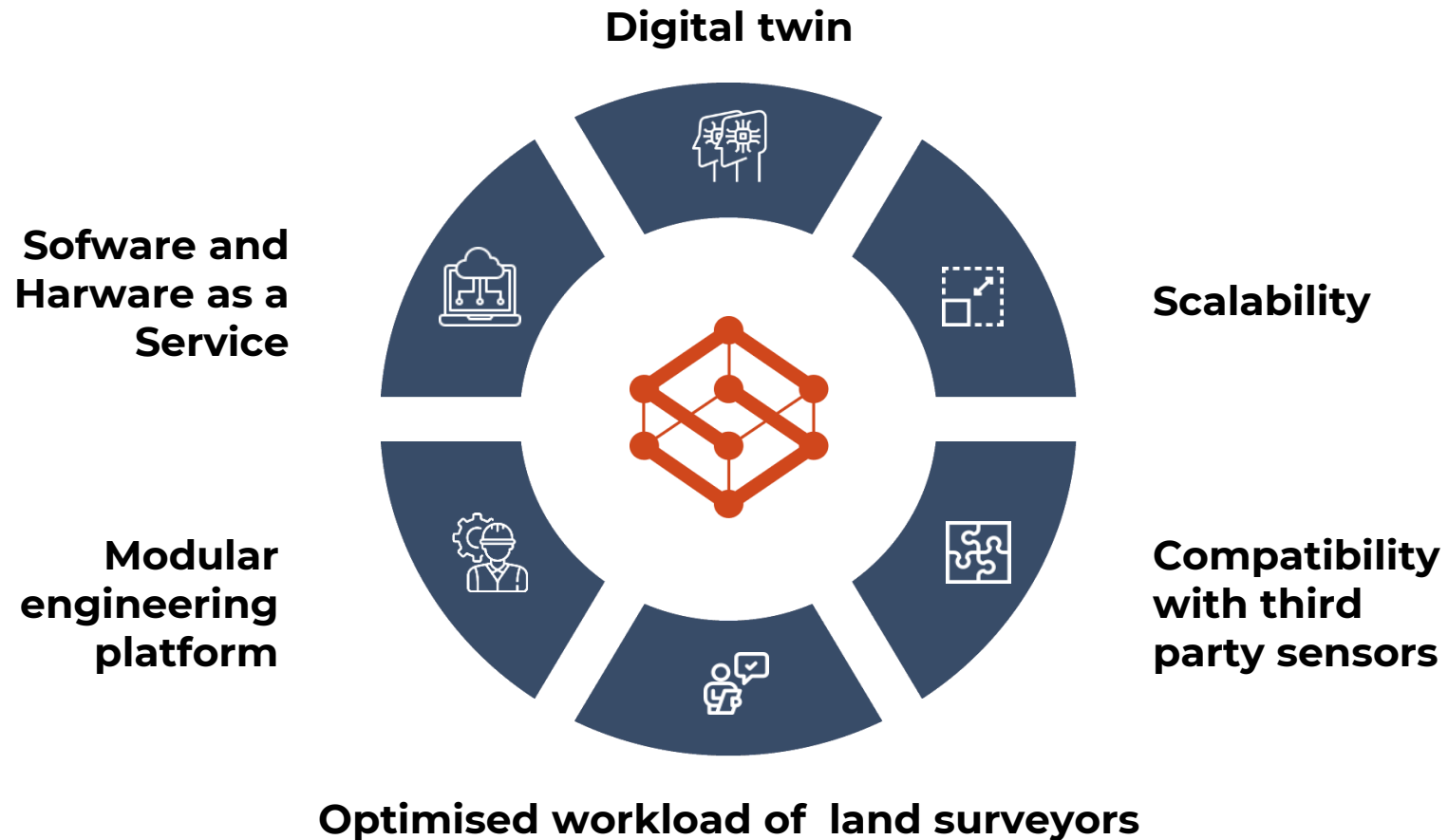


**Mines,
quarries**



**Buildings,
smart cities**

Benefits of choosing SURVIOT for your project



Our service fits your project

Software and Hardware as a Service



SURVIOT Monitoring



SURVIOT PODS

Monthly subscription fee

SURVIOT is a startup which has founders with 50+ years of engineering experience

Founders

Attila Berényi CTO

Civil Engineer MSc

Terrestrial laser scanning - engineering survey PhD

Csaba Sándor CEO

Civil Engineer MSc

Our partners





Let's start
a new project together



SURVIOT

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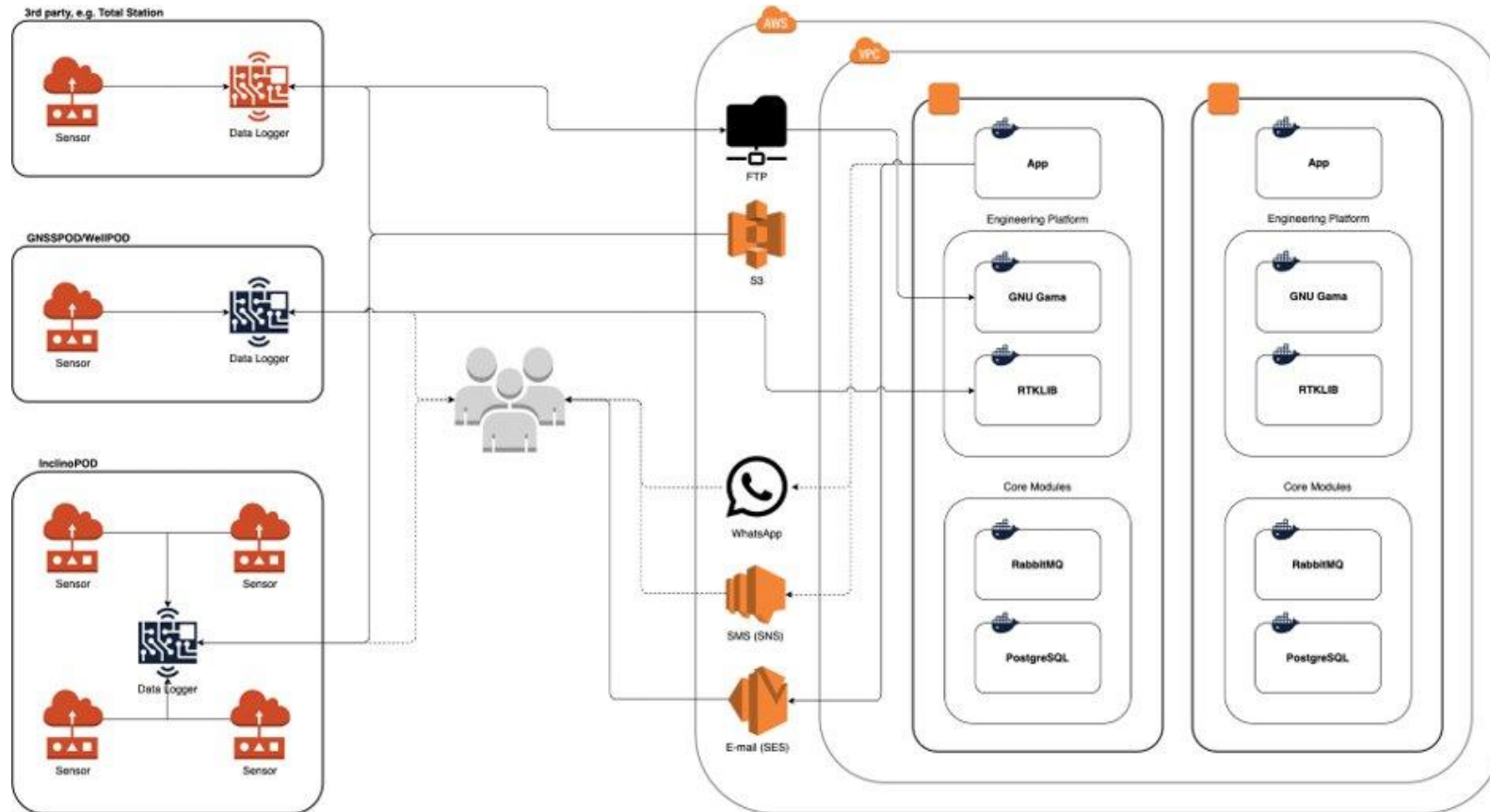


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Architecture



Our solution fits your project

