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A Product Designed by AMOTUS

STATUM



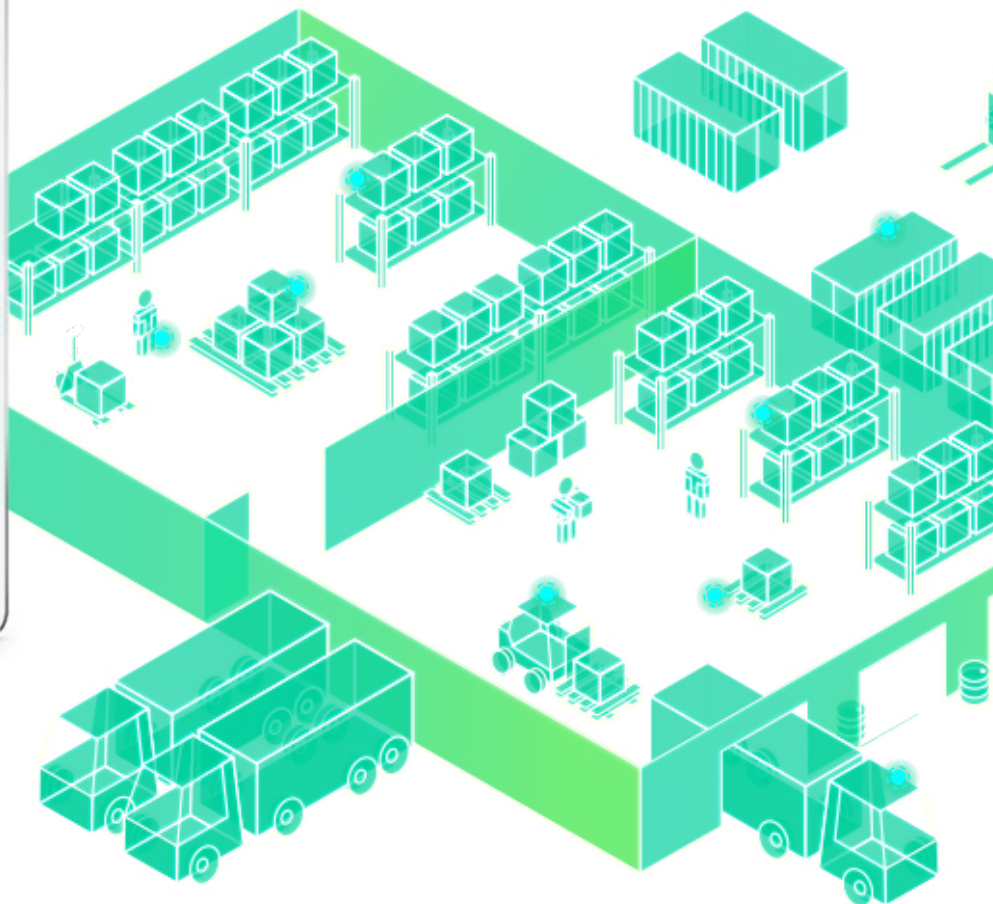
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Description

Statum is an industrial IoT (IIoT) system that provides real-time information on the position and status of your equipment or products in your buildings, construction sites, supply chain and distribution network. It is also possible to detect different statuses of your assets, such as vibration, temperature and other information to avoid waste, breakdowns, theft and loss of time.

Benefits

There are various advantages to using the Statum system based on the combination of tags and sensors you need for your business. To list only the main ones, traceability of objects will allow you to measure the performance of your team and your suppliers, provide visibility of your production and operations, improve customer experience, facilitate your logistics and inventory management, supervise all aspects of your business remotely in real time and reduce operating costs by automating or optimizing your processes.



STATUM FEATURES



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Accurate localization of elements both indoors and outdoors

Integration of sensors that provide continuous status:

- Temperature and humidity
- Shock, fall, blow, vibration
- Sound, noise, acoustics
- Visualization, brightness
- Liquid, gas, chemical
- Pressure, strength, power
- Electricity, magnetism
- Customizable features

Combined tag functionality: beacon, NFC, RFID, custom tag

- Beacon: exchangeable battery 5 to 10 years

Industrial mobile application

Customizable dashboard able to report on the status of tags and sensors, on trends and to alert operators

Interconnection to external information systems

Detection of machine operation

Automated data integration in an ERP, MES or operating system

Ownership of the data remains with your company

- Possibility to integrate a blockchain type system

Secure system

Self-installation kit for system



BUSINESS CASES



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Monitoring of Production

A company in the machining industry had 15 CNC machines of different ages, different brands and reported various features. In addition to the CNCs, it had 22 workstations for cutting, assembly, polishing, painting and other tasks. With the information received from the CNCs and the field, the plant manager was unable to evaluate productivity in real time to adjust production. A major customer had also requested several real-time data from the plant manager for logistical purposes.

We equipped all production trolleys with positioning tags and integrated the data from our system into their ERP. In addition, with our customized connectivity services, we interconnected their CNC machines to a central system to find values that were similar and consistent. We also prepared these machines to act according to the commands of the central system. The plant operations manager can now make quicker decisions and coordinate operations with customers and suppliers. These enhancements greatly benefited the company.



Food: Cold Chain

A fish processor wanted to ensure that the products it buys are fresh for their end customers. It is very important for this company to be informed of the temperature of its products throughout the supply chain so that it can comply with several strict health standards.

The solution was to install positioning tags combined with temperature and humidity sensors to trace the data of one or more products throughout the chain all the way up to the end customer. Blockchain technology makes this type of system even more appealing by providing the possibility to record each exchange in secure blocks. This integration is very beneficial in terms of knowing the status of the products, identifying which suppliers are respecting their contract and communicating a guarantee of freshness to customers.



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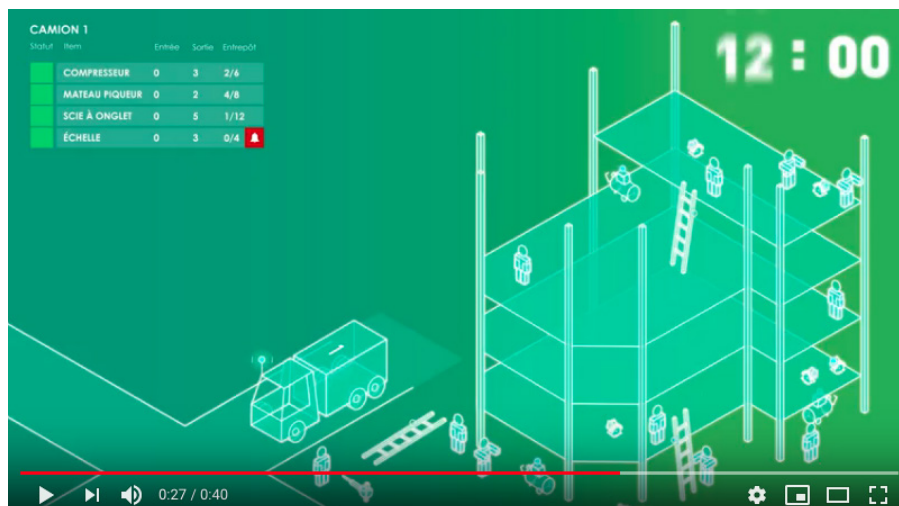
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Construction Company: Tool Inventory

A major construction company faced huge logistical challenges with a large amount of tools spread over dozens of construction sites. The company had several related problems, including theft of tools, loss of tools, loss of rented tools, and positioning of tools on and off construction sites, in addition to the overall management of inventories.

By affixing NFC tags on each of the tools and integrating wireless hubs with GPS connections on construction sites, as well as in trailers or containers, it is now possible to ensure the position of equipment. This also provides complimentary information, such as what equipment was sent, its location and when it was received. The system is directly linked with the organization's ERP to facilitate management. In addition, affixing tags to the tools resulted in a reduction in thefts and losses.



Monitoring of Hotel Material

A well known hotel in Québec City experienced frustration over something we wouldn't expect. The amount and turnover of towels, sheets, bathrobes, slippers and other washable items is astounding. The speed with which the operations are carried out is also very impressive, especially considering that external suppliers handle part of the laundry tasks. At times, it was sometimes impossible to keep track of what was lost, stolen, washed internally, washed externally, being moved or stored. This caused frustrating situations, such as missing items for guests, which the hotel wanted to avoid as much as possible.

In order to give the purchasing and operations department a better overall view of the material and its status, we fitted the items with waterproof tags, and the building and suppliers with several positioning hubs. It is now easier for the hotel to foresee shortages and manage operations, which also reduces the loss of time on unnecessary actions.





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ABOUT AMOTUS

Bridging Distances

Amotus is a design house that offers electronic and software development for customized interconnected solutions. We tackle real business challenges with our technology solutions.

Our 23 engineers, programmers and managers have come together with the goal of interconnecting a world that is intelligent, sustainable and responsible. In the past 5 years, Amotus has completed more than 100 projects in 15 countries. We have earned the trust of world-class companies for our expertise in developing connected objects that are simple, effective, open and certified. The company has been nominated and has won several entrepreneurial competitions, including a Fidéides prize.

Amotus is a Dimonoff company since 2018.

www.amotus-solutions.com

ABOUT DIMONOFF

Founded in 2006 and headquartered in Canada, Dimonoff develops wireless control and monitoring solutions to help your business, city or utility increase the sustainability and safety of your infrastructures, as well as the quality of life of your citizens, clients and employees.

As a pioneer in the Smart City space for many years, Dimonoff has invested in 150+ engineering man years to create the first true multi-platform Lighting & Smart City Management Platform : Dimonoff | SCMS. Our IoT platform seamlessly deploys on Azure and leverages PowerBI for reporting.

Dimonoff also develops the necessary hardware to remotely and securely access and manage controls, sensors, connected or non-connected assets and any other IoT device.

As a recognized major player in the smart street lighting sector, Dimonoff was chosen for two of the five largest street lighting projects worldwide*.

*Per the most recent Enterprise IoT Insights survey of smart street lighting deployments in the world.

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