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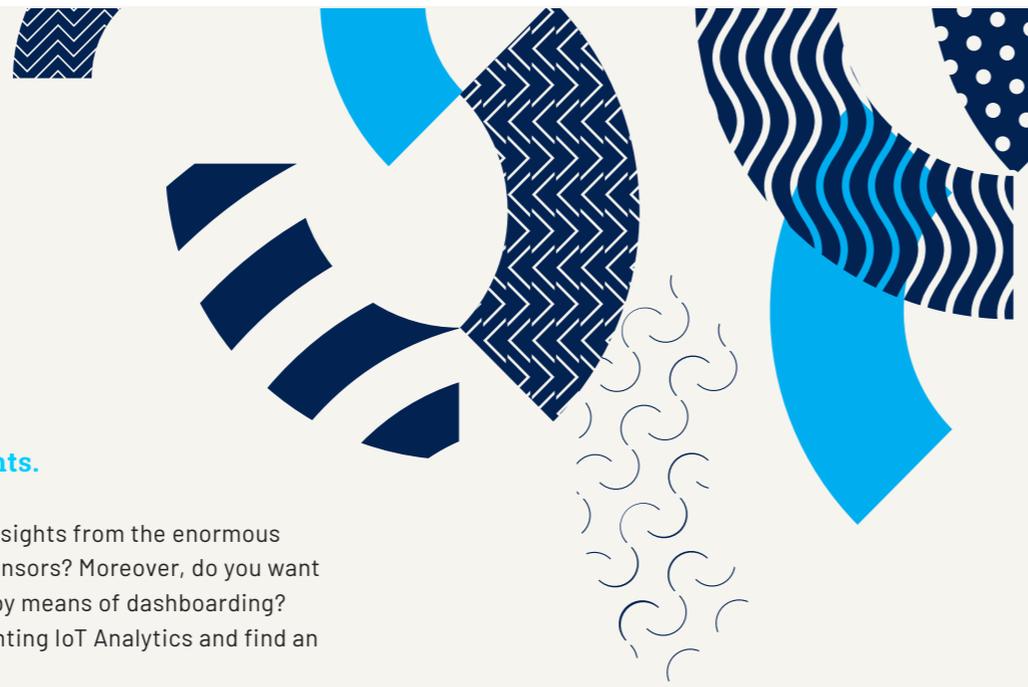
IoT Analytics



Connectivity is everywhere.



**Use connectivity
to your advantage.**



First sensors, then insights.

Do you want to gain valuable insights from the enormous amount of data collected by sensors? Moreover, do you want to visualise them in real-time by means of dashboarding? Well, be sure to start implementing IoT Analytics and find an answer to questions such as:

- How can I easily process real-time sensor data streams?
- How can I detect specific events or abnormal behaviour, based on my sensor data?
- When is maintenance required?
- How can I achieve Industry 4.0?

Get to the heart of your big data.

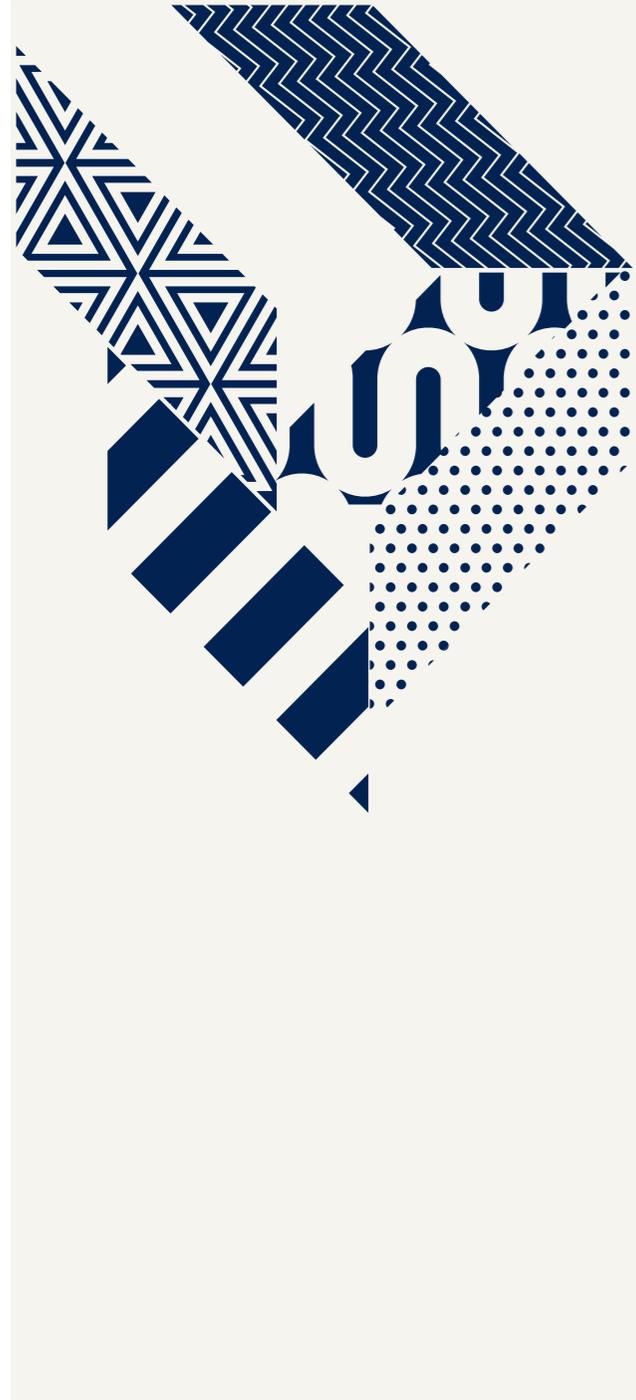
Big data is at the heart of IoT Analytics. Sensors create enormous data streams at high speed and with huge variety (different frequencies, videos, sound, numerical, ...), making it very challenging but also very valuable to analyse.

For example, with the help of IoT Analytics, you can visualise the state of all systems in the entire organisation in real time (dashboarding), predict when system maintenance is required and detect when special events will occur (e.g.: when too many people are gathering in the same room).

IoT Analytics, who's it for?

IoT Analytics is rock-solid gold for the:

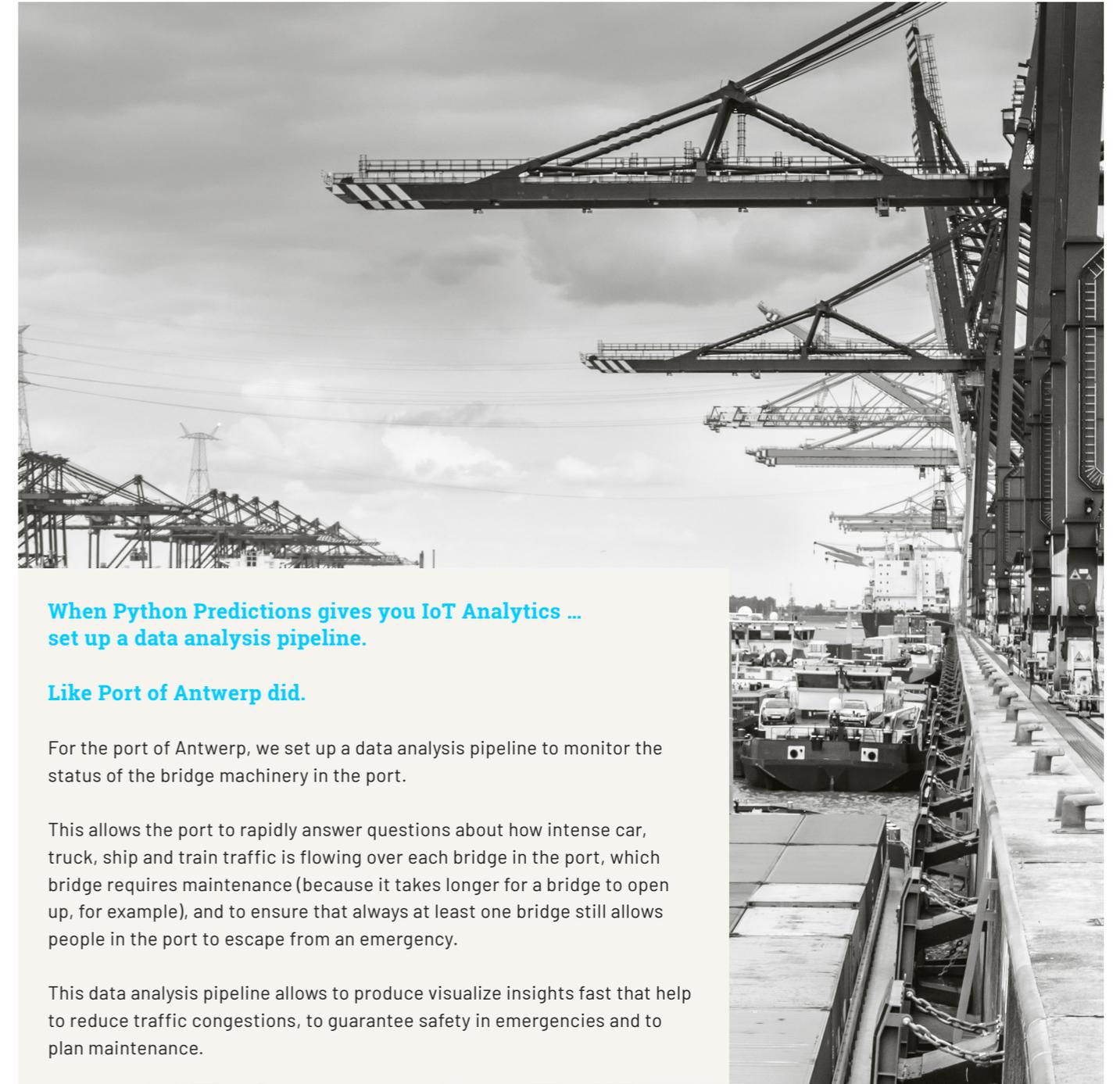
- Manufacturing sector: to optimise processes and workflows.
- Utilities sector: in order to create smart networks, optimise distribution and roll out smart meters to better predict demand and infrastructure maintenance.
- Smart Cities and Smart Transportation: in order to monitor (amongst other things) crowds, traffic or water.
- Telecommunications sector: in order to inspect the network traffic flow to avoid faulty equipment.
- Healthcare sector: in order to monitor the health of patients remotely, using wearables. For example in nursing homes, you can optimise the availability of medical equipment easily.
- Retail sector: in order to understand how your customers use an internet-connected product.
- Agriculture sector: in order to track crop growth and the health of livestock.



4 reasons to fall in love with IoT Analytics.

Thanks to IoT Analytics:

-  Increased visibility and control over your organizational assets: you will be able to visualize insights gathered from the many systems and sensors scattered throughout your organization.
-  Streamlining your organizational processes: avoid field measurements with dedicated staff by relying on data coming from sensors. With better, continuous monitoring of your assets, you will be able to better align business processes.
-  Lower operational or maintenance (switched terms, chronological order) costs.
-  Accelerate your data-driven decision making: the digital control room, with automatic insights detection, allows you to take informed decisions.



When Python Predictions gives you IoT Analytics ... set up a data analysis pipeline.

Like Port of Antwerp did.

For the port of Antwerp, we set up a data analysis pipeline to monitor the status of the bridge machinery in the port.

This allows the port to rapidly answer questions about how intense car, truck, ship and train traffic is flowing over each bridge in the port, which bridge requires maintenance (because it takes longer for a bridge to open up, for example), and to ensure that always at least one bridge still allows people in the port to escape from an emergency.

This data analysis pipeline allows to produce visualize insights fast that help to reduce traffic congestions, to guarantee safety in emergencies and to plan maintenance.

IoT Analytics, a solution to consider?

Would you like to know all about our solutions?

Just get in touch with us! We look forward to getting to know your business.

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