





AUTOMAÇÃO
E MANUFATURA INTELIGENTE

MindSphere

Your Way To Digital Services

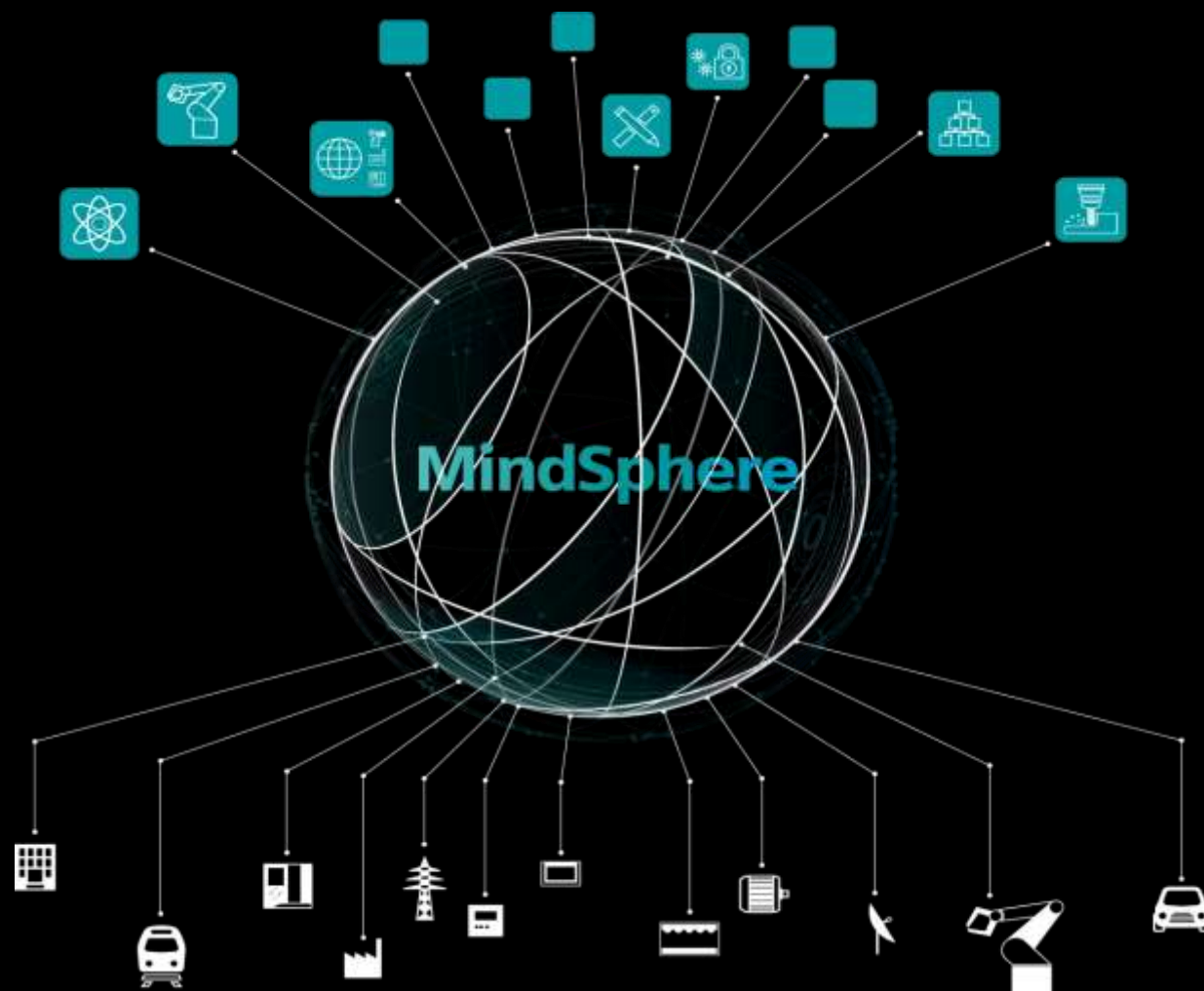
A lot can happen in a year

>50% of the world's data was created
last year...but less than 0.5% was
analyzed or used

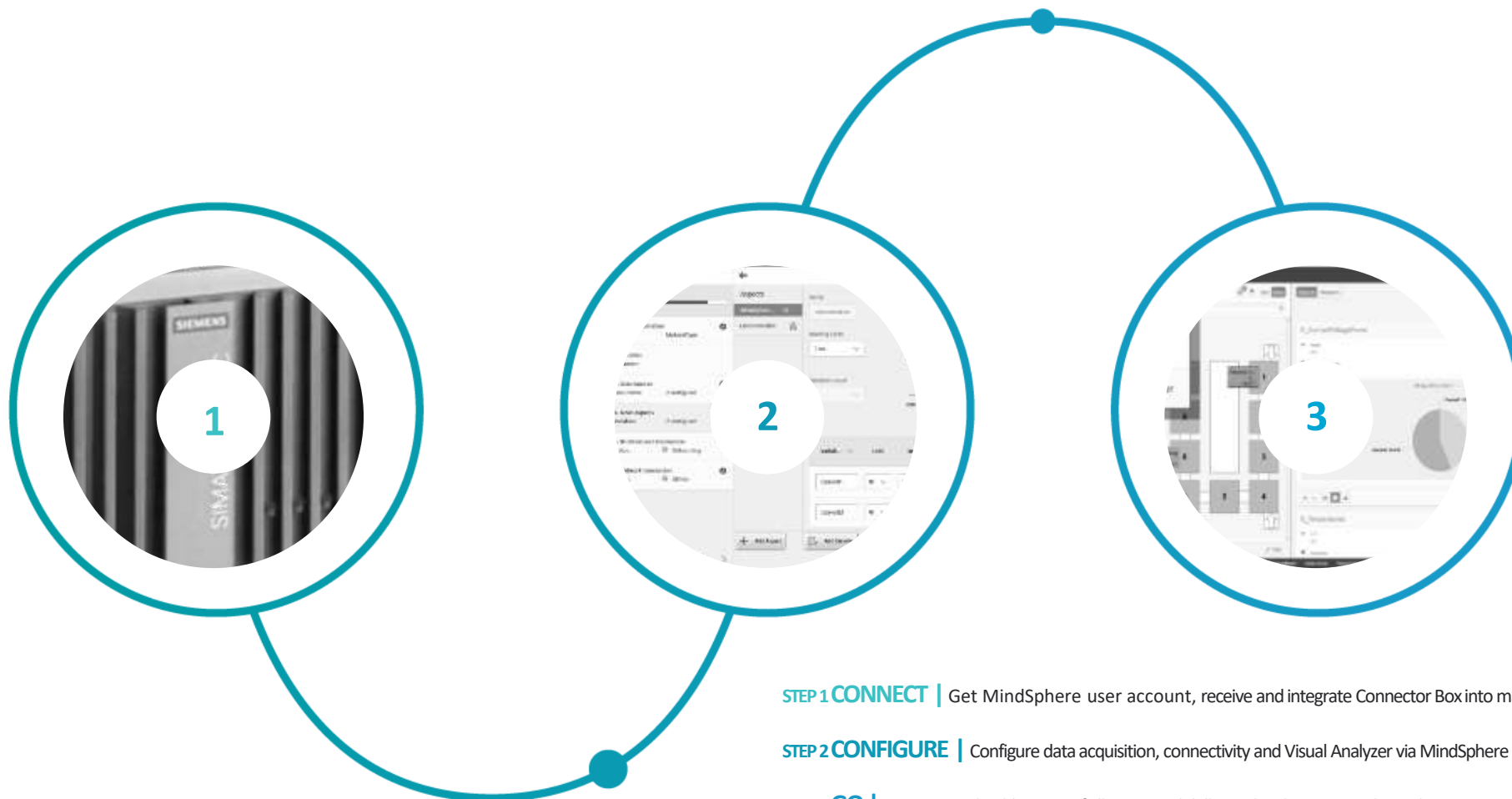
A lot can happen in a day

5.5 million new “things” get connected every
day, and 50 billion by 2020

MindSphere changes everything



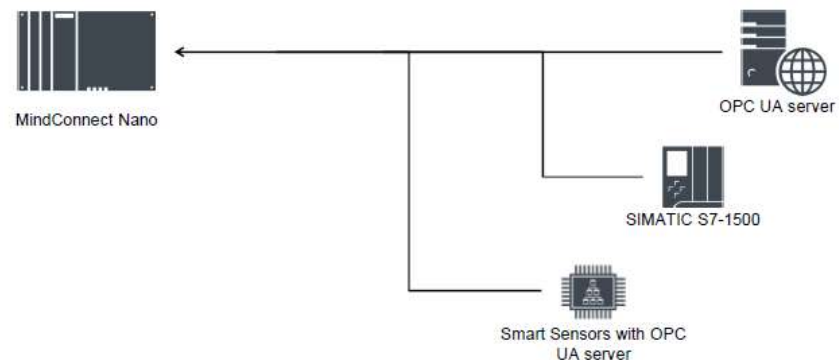
MindSphere changes everything
by quickly and easily
connecting real things
to the digital world.



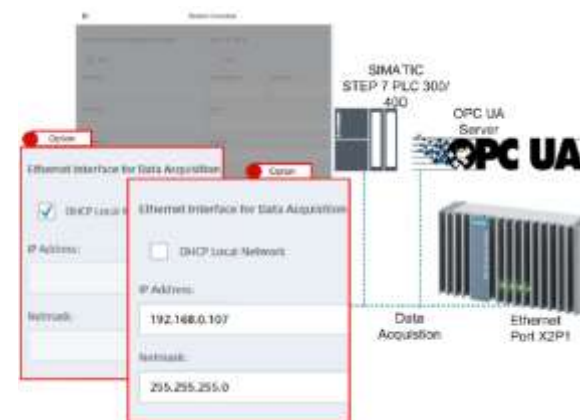
STEP 1 CONNECT | Get MindSphere user account, receive and integrate Connector Box into machine / equipment

STEP 2 CONFIGURE | Configure data acquisition, connectivity and Visual Analyzer via MindSphere

STEP 3 GO | Monitor e.g. health status of all assets and drill into details using MindApp Fleet Manager



MindAccess



Step 1 CONNECT

Data Points |

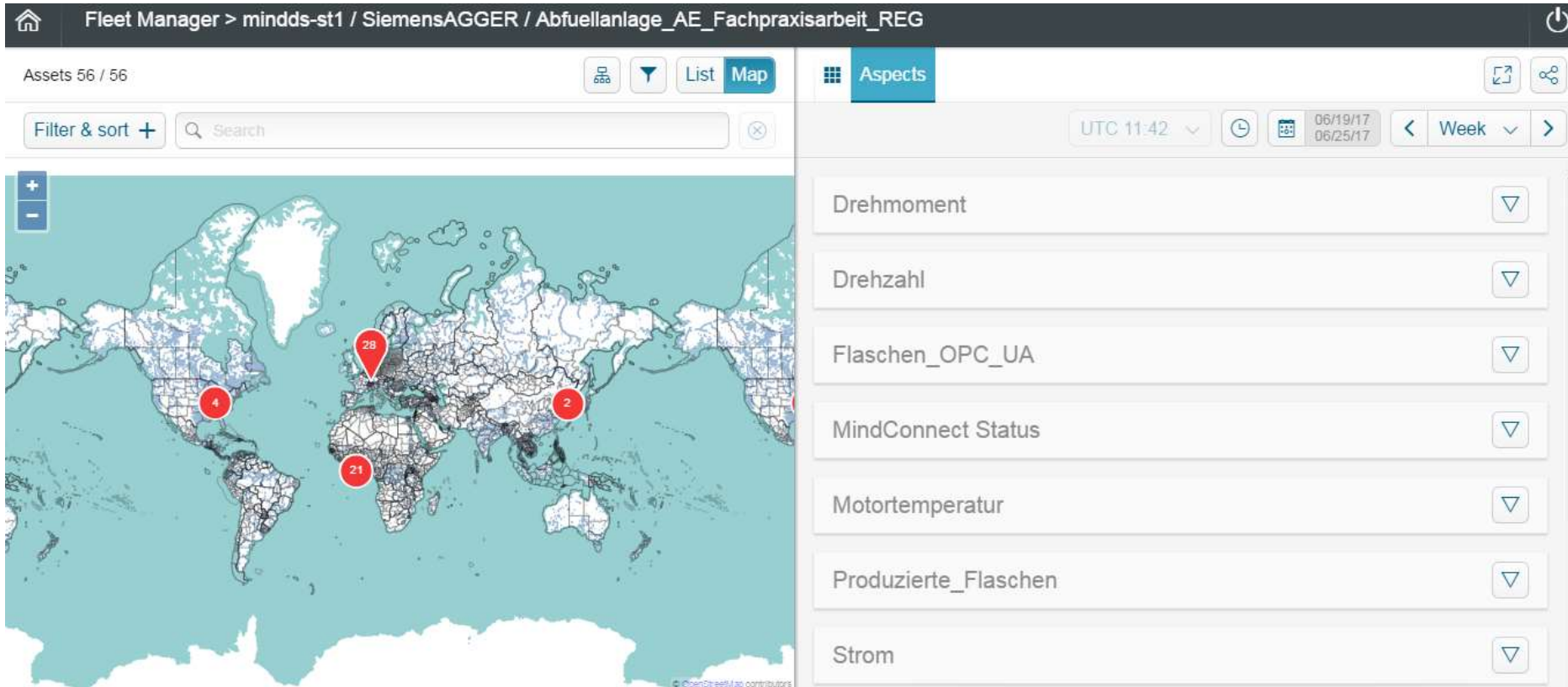
The screenshot shows the Siemens MindSphere configuration interface. On the left, a table lists various assets with their IDs, names, and status. The 'Pump' asset is highlighted at the bottom. On the right, a detailed view of the 'Pump' asset is shown, including its type, location, data sources, and network connection status. A red box highlights the 'Add New Asset' button at the bottom left.

| Asset ID | Asset Name | Status | Online % |
|---------------|---------------|---------------|------------------|
| Asset3 | 5476245273... | Not onboarded | Never online 0% |
| Asset4 | 123456789 | Not onboarded | Never online 0% |
| ConBox01 | 6984685465 | Onboarded | Online 50% |
| ConBox02 | 4864846 | Onboarded | 40 hours ago 66% |
| ConBoxLuka... | 7234799922 | Onboarded | >3 days ago 83% |
| FH4711 | 4711 | Not onboarded | Never online 0% |
| MartinBox01 | 5468416354 | Onboarded | >3 days ago 66% |
| Pump | 5146845689 | Onboarded | Online 66% |

The screenshot shows the 'Data Points' configuration interface for the 'S7_Device'. It displays a list of data sources and a table of configured data points. A red box highlights the 'Add Data Point' button at the bottom left.

| NAME | UNIT | ADDRESS | STORE AS |
|-------------|------|----------|----------|
| flow | m³/s | DB1.D5D2 | REAL |
| temperature | °C | DB1.D5W0 | sINT |

Step 2 CONFIGURE



Step 3 GO

**MindSphere changes everything
by driving business success with
powerful industry applications
and digital services**

Fleet Management

Always up to date

The key data for your connected
components and systems



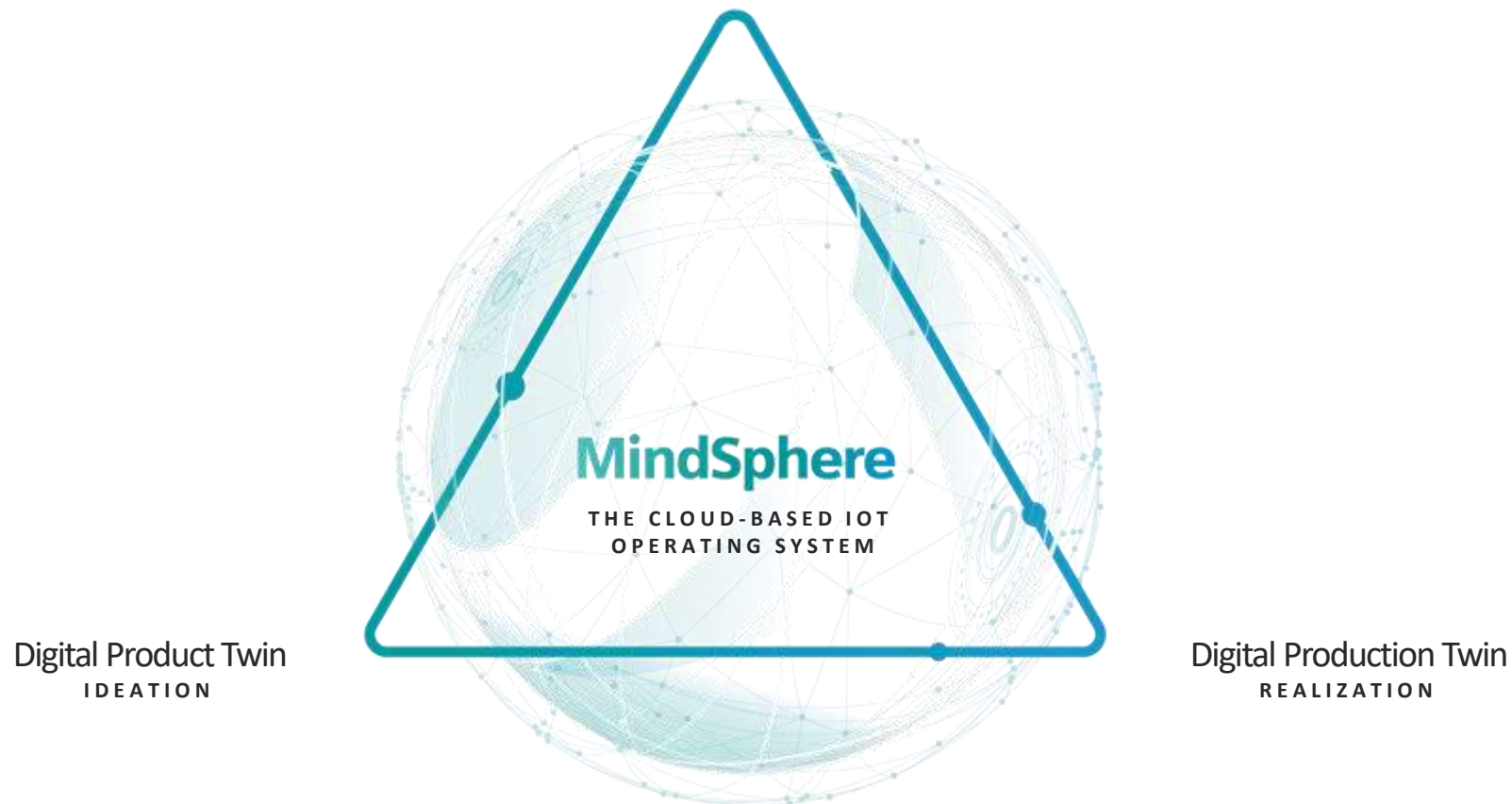
Predictive Maintenance

Identification of potentials for improvement in
maintenance processes

Active Security

Quickly identify threats,
security loopholes and anomalies

**MindSphere changes everything
by enabling unmatched closed-loop
innovation with complete digital twin**



MindSphere closes the loop with Performance Data

Categories



**Ecosystem
Enablement Offering**

**Generic Apps /
Digital Exchange**

MindSphere

MindConnect

Concrete Offerings and Customer Value Add

- **Training and Certification** – enable customer to develop apps and connectivity
 - **Consulting** – consult customers e.g. defining own applications and services
 - **POV Projects** – implement technical proof of value for defined use case
-
- **MindSphere Digital Exchange^(*)** – allow apps to be posted and sold via app store
 - **Fleet Manager** – transparency over installed and connected fleet of machines
 - **Visual Analyzer** – visualization of data traces and rule engine / event generation
-
- **MindAccess User** – access to MindSphere for 50 users and consumption (MSU)
 - **MindAccess Developer^(B)** – access for app and connectivity developer incl. LIBs
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- **MindConnect HW** – MindConnect Nano, IoT 2040
 - **MindConnect LIB^(*)** and Software Agents

(*): Under development, initial offering to be released

(B): Offering in BETA phase

**MindSphere changes everything
by creating a strong partner ecosystem with
Open Platform as a Service (PaaS)**



MindSphere changes everything by enabling new business models with ...

- Payment for Usage and Performance of industrial products.
- X as a Service – Selling of torque, machine usage, compressed air, pumped oil ...

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