

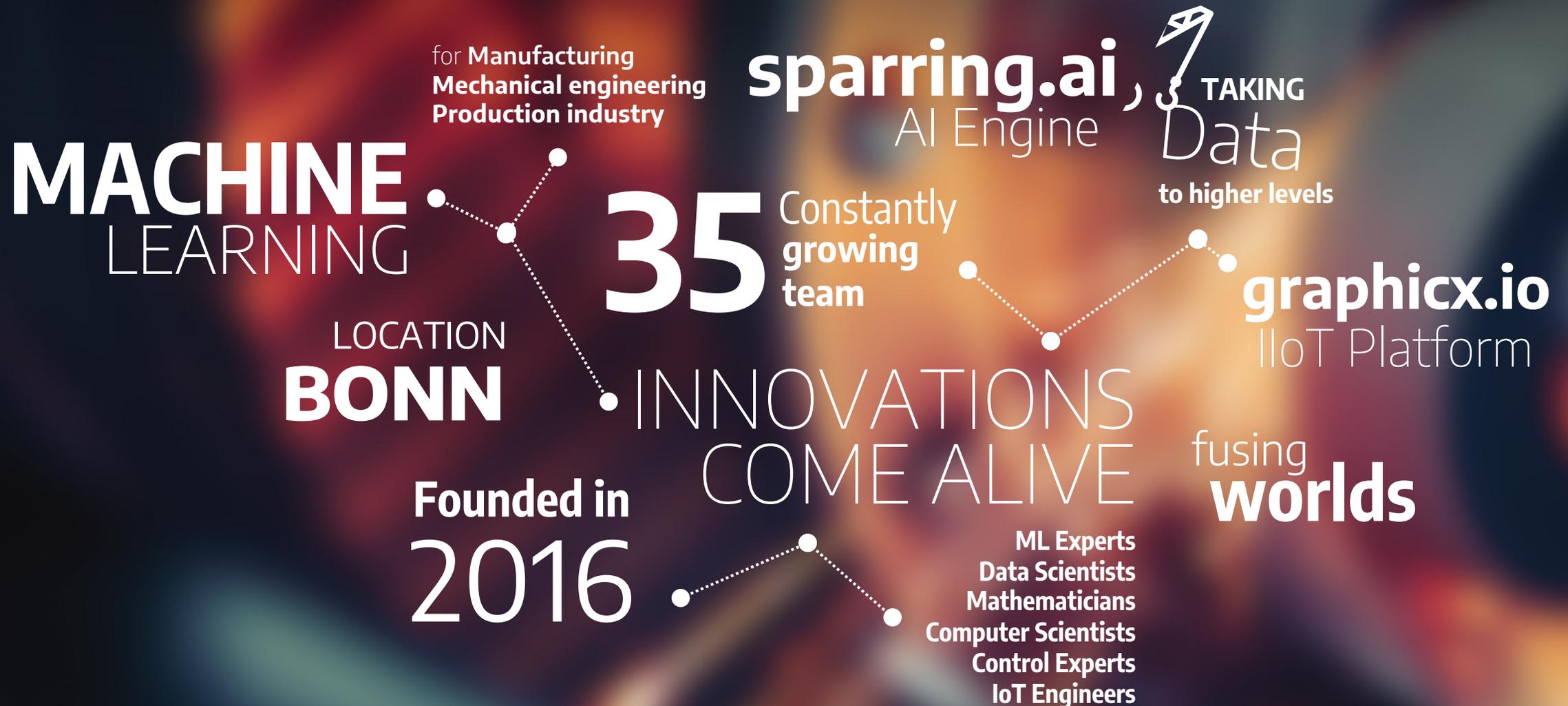


NEXOCRAFT™  
**Get to know us!**

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# NEXOCRAFT™ at a glance



# Our mission

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We enable engineers to use the power of AI without prior Machine Learning knowledge.

# Where we come from

## HVAC OUR LEGACY

- ⊙ **Closed-Loop AI-Control of Buildings**
- ⊙ 10+ reference customers
- ⊙ 20%+ of annual HVAC-spending saved



## Industrial AIoT Solution TODAY

- ⊙ **Industrial Health Scoring** for production sites to boost availability
- ⊙ NEXOCRAFT™ Self-Service AIoT Engine
- ⊙ Built-in AI modules



## Future of AI TOMORROW

- ⊙ Twin Builder interface for Engineers
- ⊙ **Human-AI team:** Using the power of AI as a sparring partner, perfectly safe
- ⊙ Increasing OEE: availability, performance and quality



# Why us?

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## **Improve your OEE**

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We boost your OEE by improving process availability. We do this by granting full transparency of machine health and predicting plant state transitions.

## **Immediate value from AI**

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Get first-hand experience on what AI can do for your business. We provide a compelling user experience and immediate value to push adoption of AI.

## **Leverage your domain knowledge with AI.**

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We are creating the perfect fusion of AI-based automation with the help of Machine Learning and your industry-specific domain knowledge.

## **We get the job done.**

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A team of well-trained experts ranging from engineers and data scientists to computer scientists and mathematicians gives you full confidence.

## **Track record of driving 20%+ efficiency increase**

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6 years of experience in AI-based process automation & improvement with 10+ reference customers achieving 20%+ of efficiency gains p.a.

# graphicx.io modules



## Device Manager

Module to onboard, manage and structure devices



## Asset Manager

Module to create, edit, manage and filter containers



## User Manager

Module to authorize users and manage their permissions, roles and login process



## Dashboard Manager

Self-configurable tool to provide an overview of interesting past and nowcasting data for the user



## Industrial Health Scoring

The actual and forecasted overall health of your plant at a glance with drill down right to the sensor level



## KPI Manager

The user is enabled to dynamically run mathematical operations, forecast data streams and set anomaly filters



## Alarm Manager

Each member of your team receives exactly the right information regarding the plant or process at the right time



## Report Manager

Module to configure and generate returning reports including testing

# Evolution from graphicx.io to sparring.ai



**GRAPHICX.IO**



## AIoT Platform

- ⦿ Data acquisition
- ⦿ Device monitoring
- ⦿ Flexible administration of plant aggregation levels



## Relevant and easy to use

- ⦿ Industrial Health Scoring
- ⦿ Dashboards for timeseries and dynamic KPIs
- ⦿ Alarms, tickets & user-friendly feedback system



## AI already embedded

- ⦿ Single timeseries forecasting
- ⦿ AI-driven and context-related anomaly detection
- ⦿ Constantly growing family of AI models



**SPARRING.AI**

# Evolution from graphicx.io to sparring.ai



GRAPHICX.IO



## SPARRING.AI

### Magic Dynamics Model

- ◉ Our Dynamics Model based on the concept of **Neural Networks**
- ◉ It trains automatically by:
  - ◉ all your historic **sensor data**
  - ◉ all your **control actions** (e.g. from actuators)
  - ◉ any desired **exogeneous disturbances** (e.g. from actuators)

### Human-AI team

- ◉ AI becomes your unique **sparring partner**
- ◉ Maximum protection of assets and outcome through **prescription:**
  - ◉ The engineer can **virtually adjust** desired parameters
  - ◉ Sparring.ai now fully **simulates plant behavior**
  - ◉ If improvements are identified, they can be **transferred manually** or – if desired - automatically into the real process (closed-loop-control AI)

### TwinBuilder

- ◉ Enhanced ability for the engineer to insert extensive **domain knowledge**
- ◉ Leads to significant **improvement of the Dynamics Model** and hence to even further improved OEE

# Example: the graphic.io core concept

Every industrial context is completely different and inhomogeneous. graphicx.io handles it all.

DEVICE

Gripper system stamped parts

DEVICE TYPE

Vacuum gripper

Channels: air pressure, time stamp, rotation speed, rotation position, cycles

DEVICE

Handling system metal claddings

DEVICE TYPE

Pneumatic gripper

Channels: air pressure, time stamp, rotation speed, rotation position

CHANNEL

Air pressure

Unit: bar  
Data type: float  
Channel type: measured value

SPACE

Nexus Metal Ltd.

CONTAINER

Control Cabinet Production 01

CONTAINER TYPE

Production hall

Data fields: name, site, production focus

CONTAINER

Production cell metal claddings

CONTAINER TYPE

Production cell

Data fields: name, production hall, target

# We provide for you: DevOps for MS Azure

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Activities to ensure functional and information security



Management and administration of virtualized systems



Demand management (scaling of instances)



Availability and performance monitoring



Service health checks including alarms



Process and health monitoring for VMs



Updates, patch management

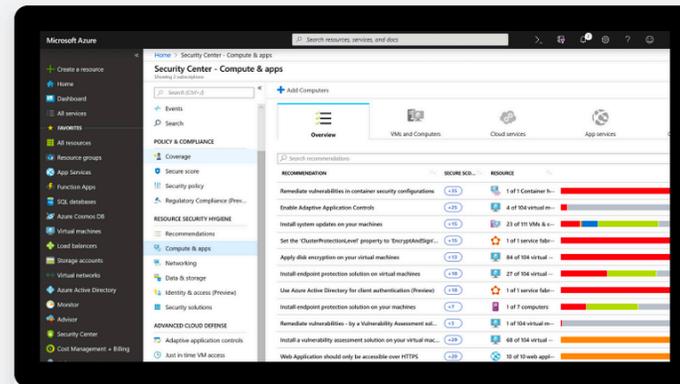
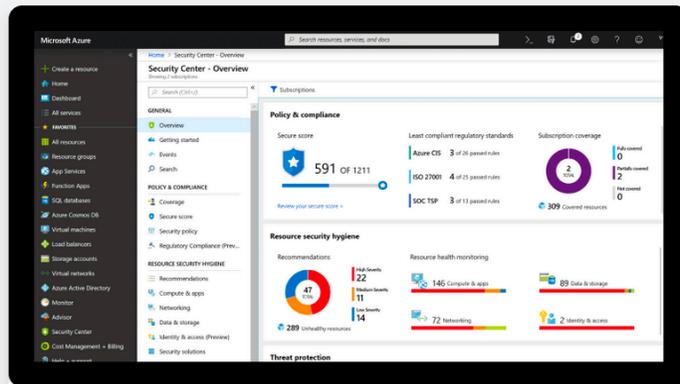


Network issues, firewall monitoring, routing, load balancing

# Rely on Microsoft Azure Security

## Why Azure for security?

- ✓ Microsoft invests more than **USD 1 billion annually** on cybersecurity research and development.
- ✓ We employ more than **3,500 security experts** completely dedicated to your data security and privacy.
- ✓ Azure has more compliance certifications than any other cloud provider. View the [comprehensive list](#).





Let's elevate your business to the next level.

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