



graphicx enables any engineer to use the power of Artificial Intelligence without prior machine learning knowledge.

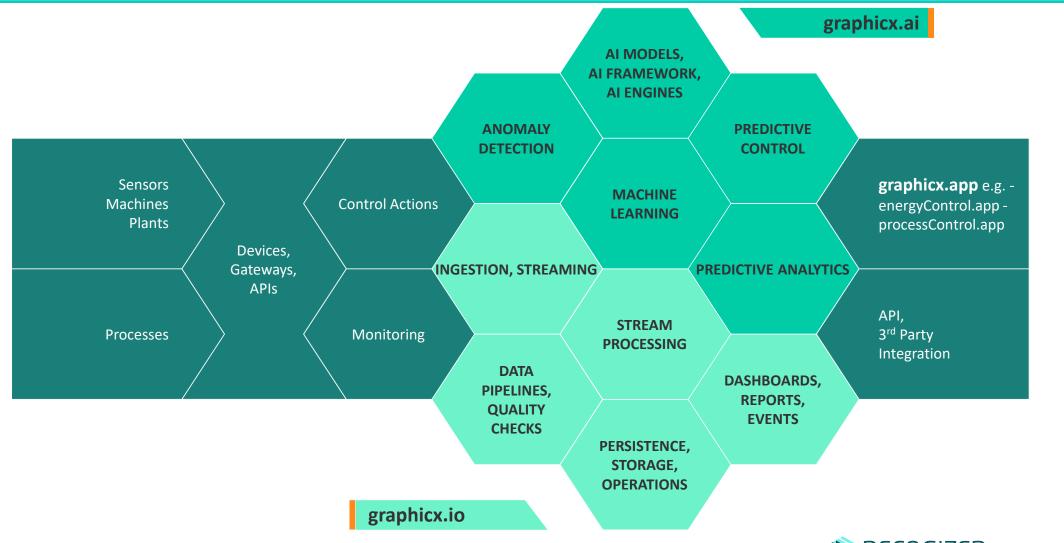
Recogizer Analytics

graphicx™ Overview

graphicx.io	graphicx.ai	graphicx.app
Horizontal technology → build your own IOT-app	Horizontal technology → build your own Al-app	Vertical products → utilizing graphicx technology
 Connect and visualize your assets 	 Analyze your assets (anomaly detection) Optimize your assets (predictive control) 	 energyControl.app Heating, ventilation and air conditioning (HVAC) optimizer Smart power grid optimizer processControl.app (under dev.) Compressed air optimizer Waste-to-power plant optimizer

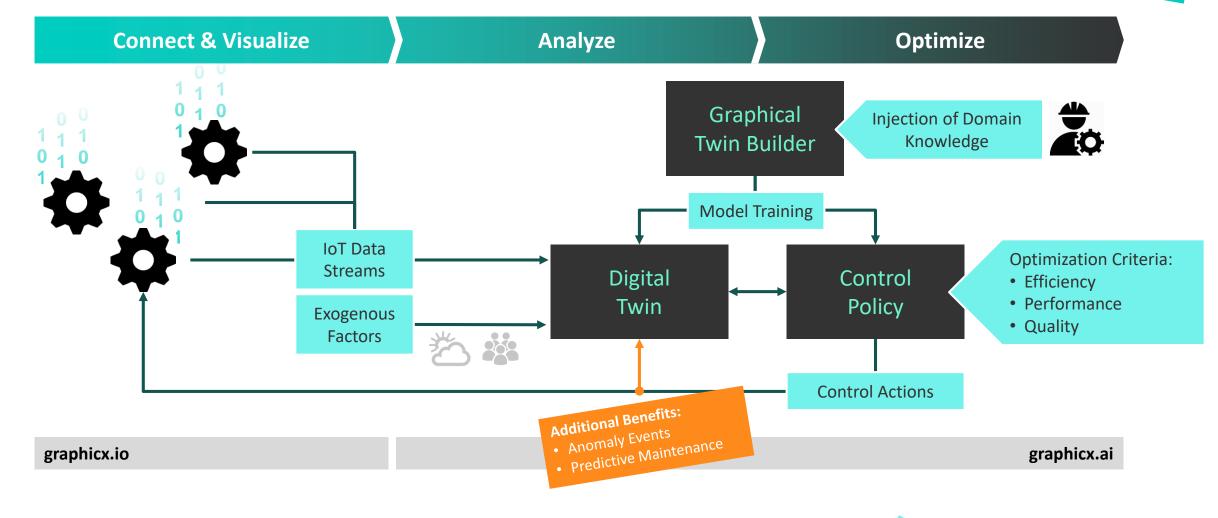


graphicx™ Platform Components



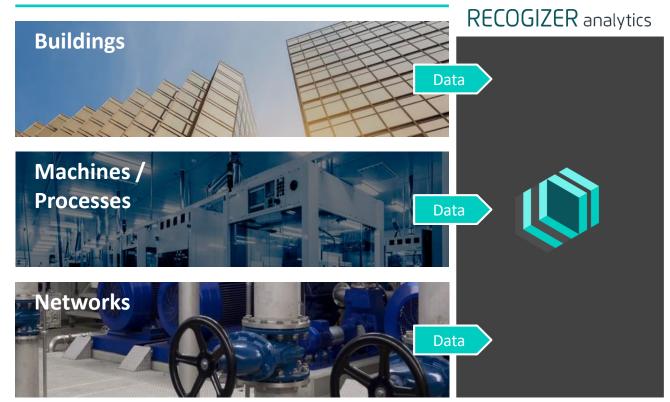
Conceptional Overview – Machine Learning meets Engineering

illustrative



Implementing graphicx.ai Always Starts with the Creation of a "Digital Twin"

REAL DIGITAL TWIN



- Energy consumption
- Weather + occupancy
- Valves, revolution speed
- ...



- Energy consumption
- Operational speeds
- Pressure, stroke, inclination
- ...
- Energy consumption
- Water level + pump
- flow velocity
- · ...



graphicx.ai Makes Industrial Production Smart, Efficient and Cuts Costs

BASIS / INPUT



Production plans and process data



Data from sensors & actuators such as pressure, stroke, inclination, number of rotations, valve



Consumption data from energy meters



Alerts, events, safety messages

graphicx.ai



- Automated learning of plant/process behavior
- Prediction of demands, e.g. air pressure
- Flexibilization of supply

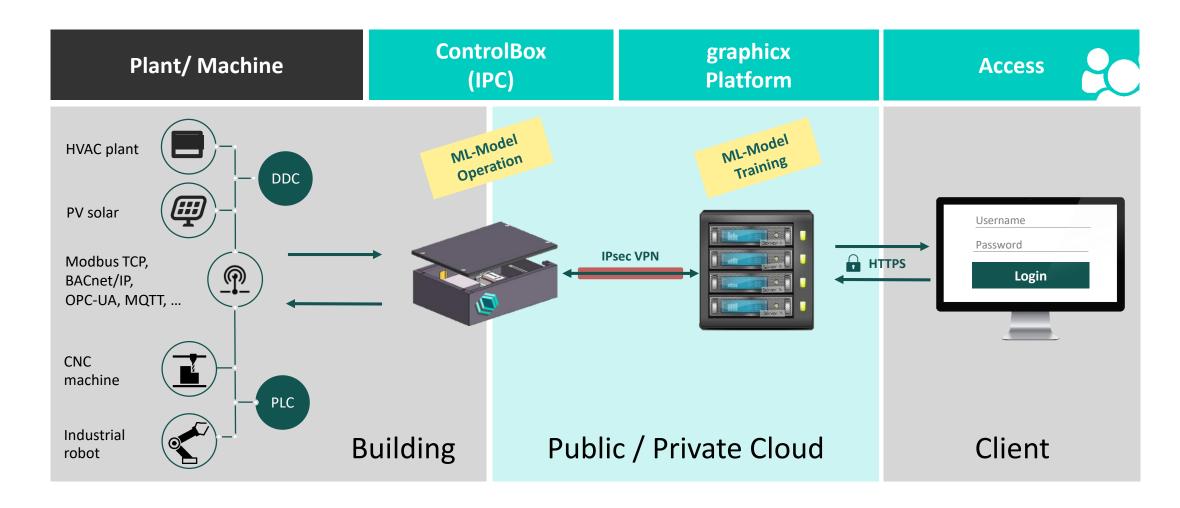


- Intelligent, predictive control of industrial plants and processes
- >20% lower energy consumption

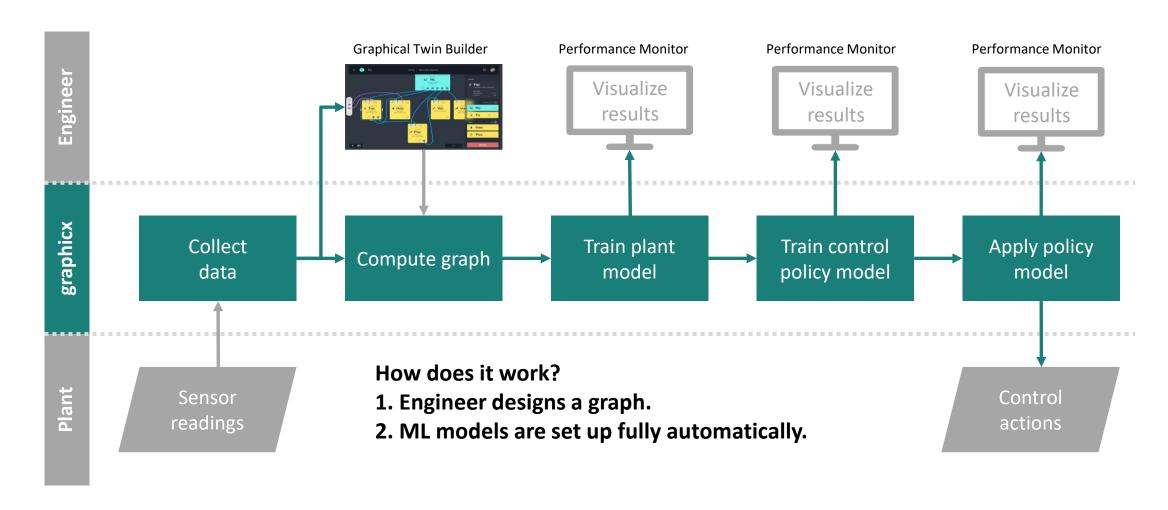




graphicx – Solution Overview

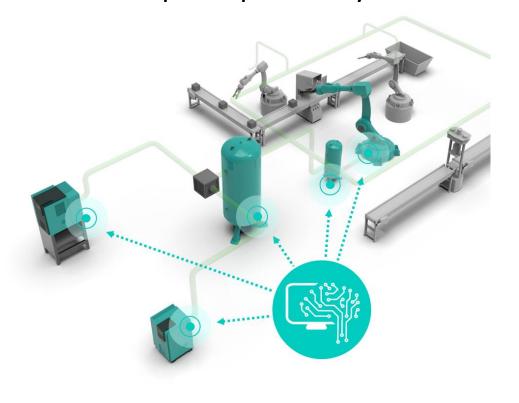


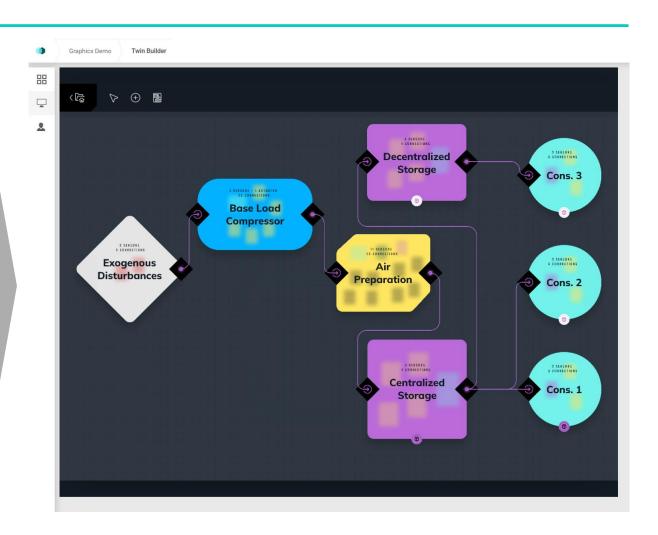
Workflow – The Graphical Twin Builder is The Main Interface For graphicx.ai



graphicx.ai – Twin Builder

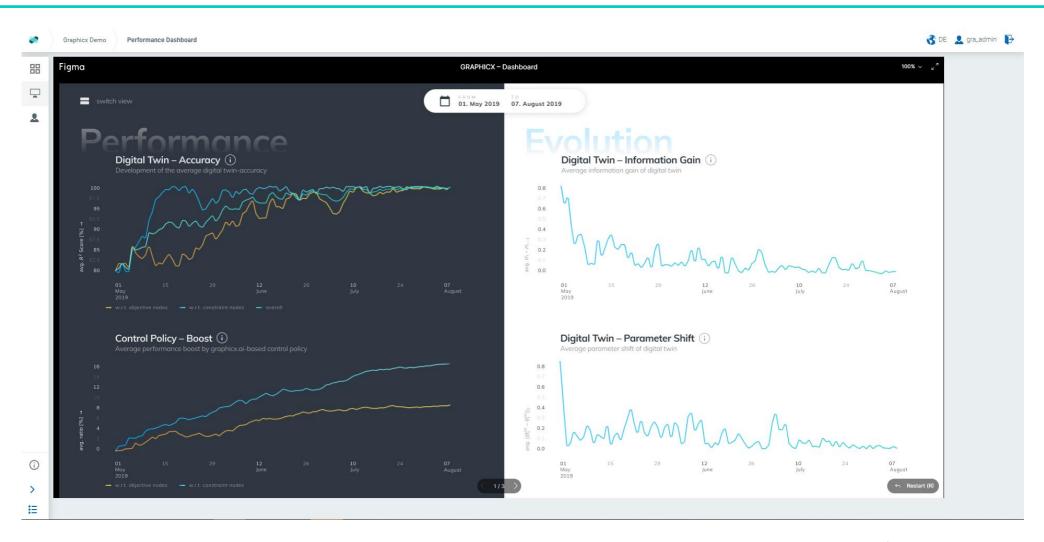
Example: Compressed Air Systems



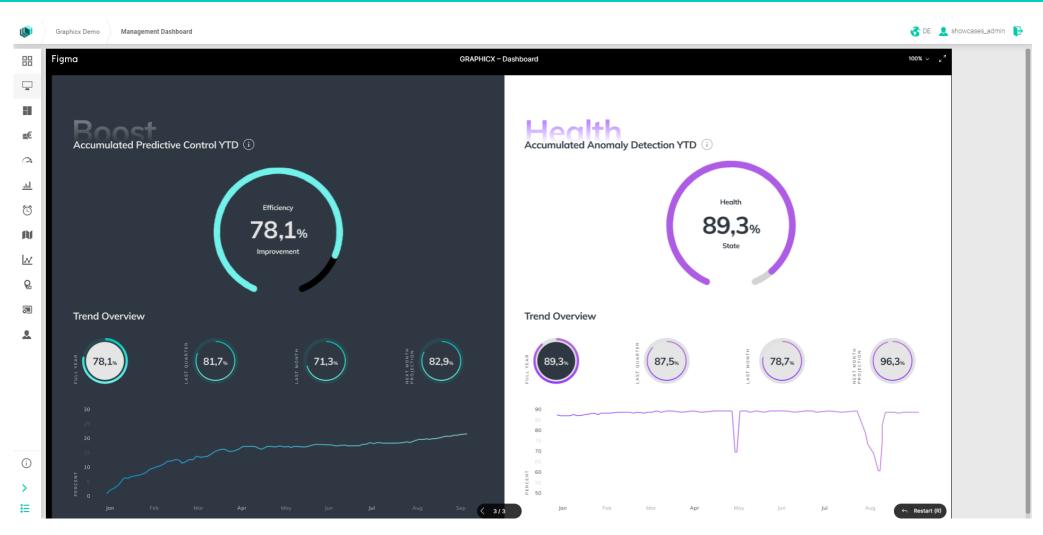




graphicx.ai – Performance Monitor



graphicx.ai – Management Dashboard



Recogizer: Your Specialized Partner for Connected Things and Artificial Intelligence



- Powerful Industrial IoT Analytics Platform
- Ready-to-sell ML technologies as Managed Services
- In-house machine learning experts + engineers
- Lean processes fast implementation
- In-depth Industrial Analytics expertise
- Innovative through own research and development

