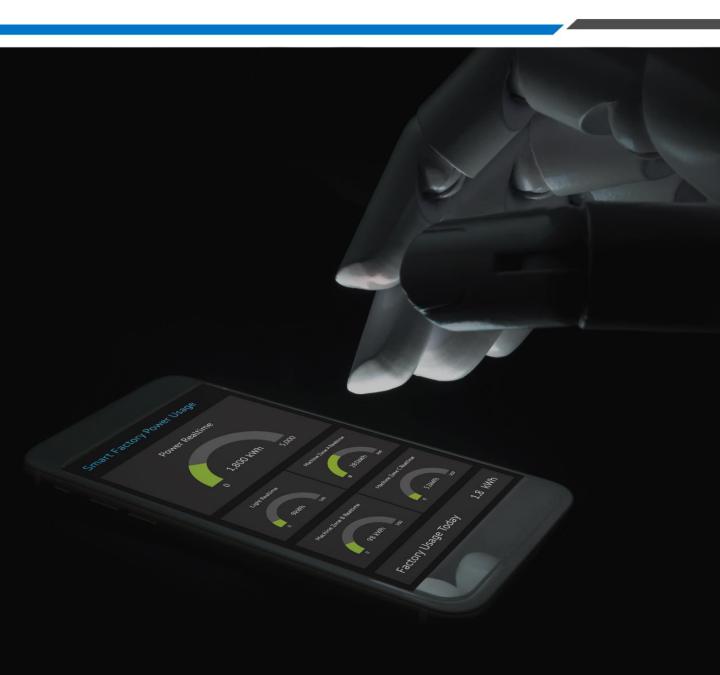


Cloud Based-Process Intelligence

Empowering Decision Making

Quick system implementation | Links across all brands | Modular future expansion





WHAT is GENIE™ SMART FACTORY?

Ahead of the curve in Industry Internet of Things (IIoT) and Industry 4.0, GENIE™ is a SMART FACTORY that fulfils your information wishes. GENiE™ empowers decision making to achieve maximum yield and productivity. What puts GENiE™ SMART FACTORY at the edge, is its capability for predictive maintenance using Artificial Intelligence (AI), thus preparing you well in advance before any unexpected failure takes place. Users are alerted in real time on the precise predictions via their smart devices.

GENIE Information Flow SMART











CORE TECHNOLOGIES OF GENIE SMART FACTORY



instant dissemination of accurate and reliable info to all working levels



Predictive alerts

prevents unplanned breakdown, minimize risk, boost quality & increase safety



Analytic intelligence

predictive root cause identification, save energy, optimize resources

WHY GENIE SMART FACTORY?







Unexpected machine failure



Missing insights from data



Increase in costs for compensation



Inaccurate data





machine failure



Predictive maintenance



Al root cause identification



Machine learning, losses

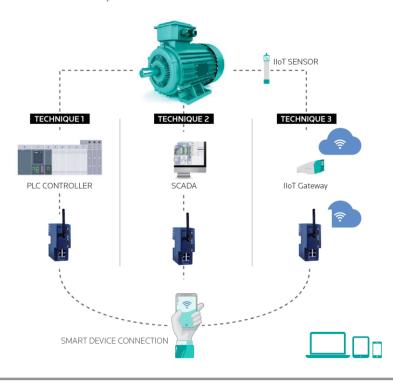


Smart devices avoids production provide precise data

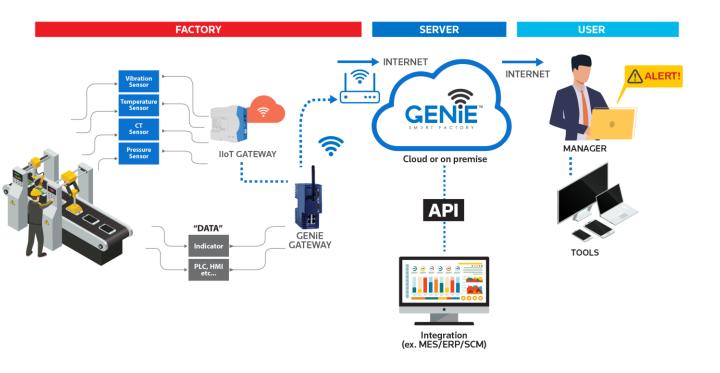


HOW GENIE™ SMART FACTORY Works?

GENIE™ obtains real process values and parameters of your operations. It comes from data acquisition, aggregating, analysing and sharing. This data is extrapolated and translated into a user-friendly dashboard interface to allow continuous tracking of processes or machinery.

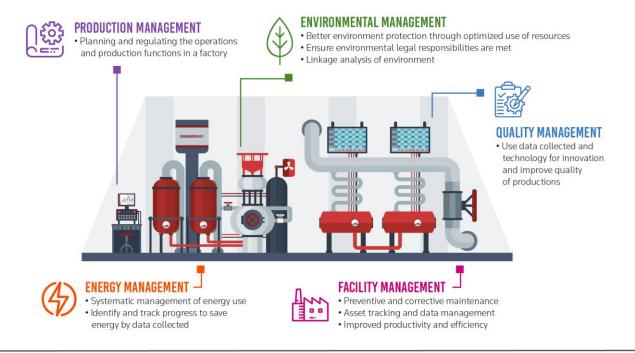


GENIE SMART FACTORY FRAMEWORK





OVERALL BENEFITS OF GENIE SMART FACTORY



GENIE SMART FACTORY DASHBOARD





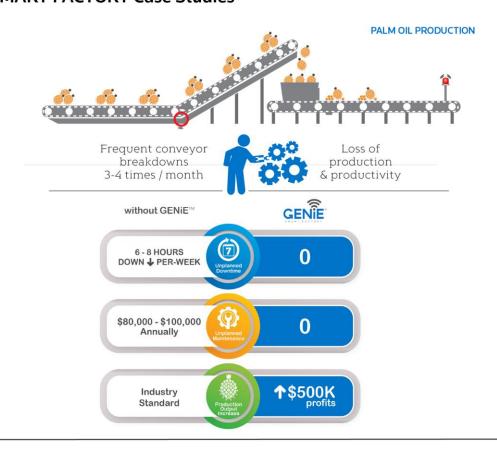


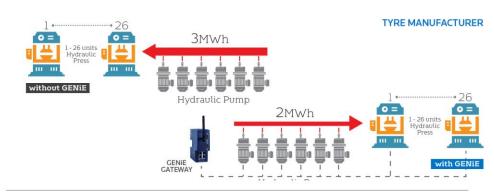






GENIE SMART FACTORY Case Studies









APPLIED INDUSTRY

0 0 0	Rubbers / Plastics	
	Injection molding	Mold temperature management, coolant temperature management, Excess or Surplus material management, electric power management etc.
	Plastic film manufacturing	Compressor temperature/pressure/RPM control, weight control of completed products etc.
	Vehicles / Railroads	
	Press	Production pressure/temperature management, predictive maintenance of facility(vibration measurement) etc.
	Assembly	History management of parts tightening/fastening, quantity counting, electric power management etc.
	Steels / Metals	
Maria Andrea	Casting	Weight control of materials, temperature management, quantity counting, IQC and OQC management etc.
The state of the s	Coil machining	Predictive maintenance for cranes, machines and facilities, safety control etc.
	Machine tools	
	Machine tools Coil machining	Predictive maintenance for machines and facilities (Vibration, noise, electric power, flow amount control of oil etc.)
	Coil machining	electric power, flow amount control of oil etc.) Tool abrasion management, predictive maintenance, electric power
	Coil machining	electric power, flow amount control of oil etc.) Tool abrasion management, predictive maintenance, electric power
	Coil machining CNC machining Semiconductors	electric power, flow amount control of oil etc.) Tool abrasion management, predictive maintenance, electric power management, operation quantity counting etc. Facility temperature/humidity/vibration management, warehouse temperature control, wattage management etc.
	Coil machining CNC machining Semiconductors SMT process line	electric power, flow amount control of oil etc.) Tool abrasion management, predictive maintenance, electric power management, operation quantity counting etc. Facility temperature/humidity/vibration management, warehouse temperature control, wattage management etc.



