

INDUSTRY 4.0 PLUG & PLAY



INDUSTRY 4.0 MADE EASY, FAST AND SCALABLE

In few minutes connect any machine to any application and cloud:
Azure IoT ©, GE's Predix™, SQL Server ©, Leonardo I4.0 Suite,
Dassault Systèmes EXALEAD ©, Yammer ©, BravoMES ©, BotJam ©,
IndyChatBot © and many others.

The new smart way of production
www.alleantia.com



GE Digital
Alliance Partner

EDGE X FOUNDRY
MEMBER



ALLEANTIA'S SOLUTION

INDUSTRY 4.0

Digital Twin IIoT Apps

PREDIX
From GE

ADVANTECH
WISE-PaaS
IIoT Software Platform

OPC Microsoft Azure

MQTT { REST }

Alleantia IIoT Apps

Microsoft
SQL Server

OneDrive
for Business

Dropbox -ENERGY PACK-

Yammer[®] MACHINING PACK

Application Ecosystem IIoT Apps

LEONARDO

bravo[®] manufacturing
Il miglior sistema per il controllo di commessa

DASSAULT SYSTEMES
The 3DEXPERIENCE[®] Company

PORTASOLUTIONS OPEN 4.0

BRICKREPLY

MEP
IndyChatBot

SENSEIOTY

iFMX
BOT-JAM

OEM Partners

PORTASOLUTIONS

intel

JOBS

ADVANTECH

Biglia

DELL

mandelli

FINMECCANICA GROUP

MCM

connected by
Alleantia

Xpango
<Things>
Library

Native communication

FANUC

SIEMENS

3G 4G

HEIDENHAIN

EtherNet/IP

MT Connect

LAN

NMEA

ABB

Modbus

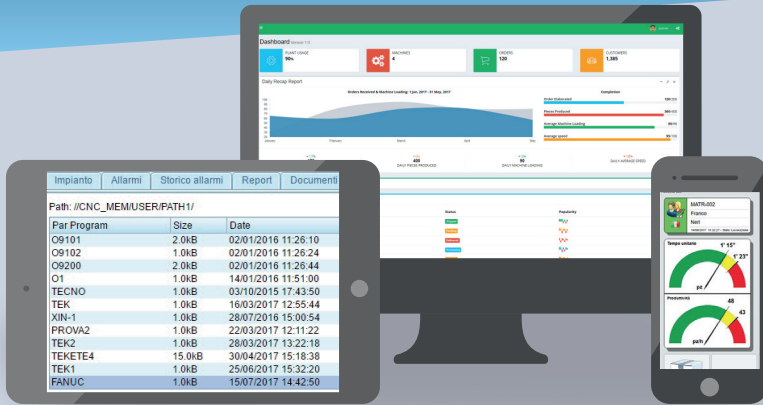
Wi Fi

Digitally transform your production and operational processes in a sustainable way, compatible with new and old machines

- Simple and fast interconnection to machines and networks via LAN, WiFi, 3G/4G, with OEM Partners' hardware
- Fast and scalable machines and devices integration using XPANGO technology, XPANGO Device Drivers and the Library of Things
- Supporting both new and old machinery with hybrid architectures adapting to the many different situations
- Native remote monitoring, diagnostic and visualization
- Notification via email, SMS, external apps
- Digital Twin IIoT Apps to provide open API and connections to most used Clouds and IT infrastructures
- Remote upload and synchronization of programs and machine instructions with Dropbox and OneDrive for Business IIoT Apps
- Interactions between users and working groups through corporate social networks IIoT Apps (Yammer)
- Application Ecosystem IIoT Apps connecting to many Industry 4.0 Applications
- Information access from any user device: smartphones, tablets, PCs

INFORMATION VISUALISATION

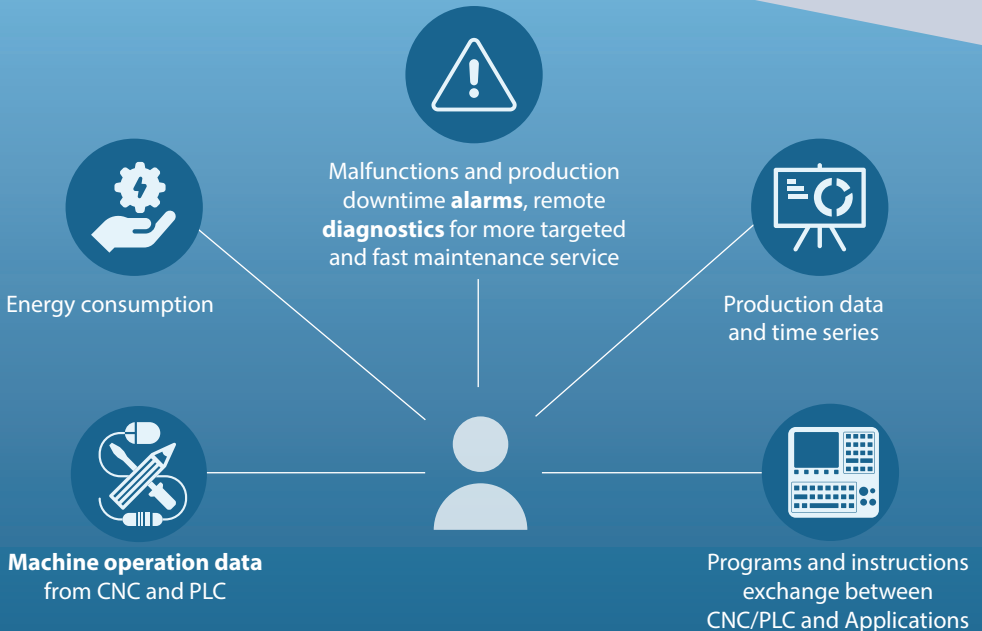
All machine's operational data at your fingertips.
Anytime. Anywhere.



from Tablet, PC, Smartphone

PRODUCTION INFORMATION AND DATA

A lot of useful information to work better



SOFTWARE IN DETAIL

Alleantia industry 4.0 software features

MACHINING PACK

Machining Pack for production data, produced units, energy consumption per unit produced, time



Remote load of part-programs (via One Drive for Business and Dropbox)



Alarms monitoring, remote diagnostics for the maintenance service. Notifications via email and social network (Yammer)



The machine operation data available from CNC and PLC: state, part-program in performance, speed, power, override, etc.

SIEMENS

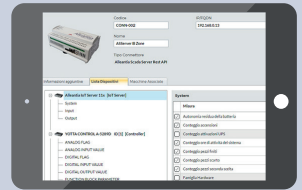
FANUC

HEIDENHAIN

MT Connect



Information from CNC and PLC natively integrated



“Energy KIT”
Tracking energy consumption in production

HOW TO USE DATA: SYNOPTICS, REPORTS, NOTIFICATIONS, IIOT APPS



Connect to Application

Digital Twin IIoT Apps
General purpose IIoT Apps
Alleantia Ecosystem IIoT Apps



Fast and intuitive synoptics configuration

Intuitive self-configurable web data visualisation



Automatize email and report

Configure the device and receive reports automatically when and where you want



Export reports data to pdf, excel

Select the data you need and click “Excel” or “Graph”

IIOT APPS

Open API and connectors to cloud and many Industry 4.0 Applications: 'Connected by Alleantia' certified interoperability

Digital Twin IIoT Apps

Enabling data sharing via API or Cloud Platforms Connectors



API & Comm. Protocols



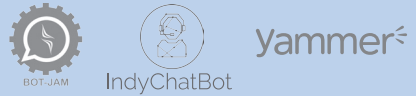
Cloud Platforms

Alleantia IIoT Apps

Linking machines with common use applications



Data sharing



Corporate Social Networks

Application Ecosystem IIoT Apps

Connecting machines to leading Industry 4.0 applications



Supervision & Dashboarding



Data Analytics & Predictive Maint.



PLM / MES / PDM



Flexible Production





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