Alleantia

ALL <THINGS> JOINED

INDUSTRY 4.0
PLUG & PLAY

INDUSTRY 4.0 MADE EASY, FAST AND SCALABLE

Connect any machine to any application and cloud in a few minutes:
Azure IoT, Predix, WISE-PaaS, ThingWorx, Dassault Systèmes EXALEAD, Dell Boomi, Cloudera, MQTT, REST API, SQL Server, MySQL, Yammer, MES, FMS, PLM, ERP, CRM, AR, VR, AI systems

The new smart way of production

www.alleantia.com

UCIMU MEMBER COMPANY · fabbrica intelligente Socio Ordinario · GE Digital Alliance Partner · DELL IoT Solutions Partner · intel IOT Solutions Alliance · ARTIK ACCESS PARTNER · MTConnect Institute · EDGEXFOUNDRY MEMBER

ALLEANTIA'S SOLUTION INDUSTRY 4.0

Native communication

Connectivity	3G, 4G, LAN, WiFi
CNC protocols	FANUC, HEIDENHAIN, SIEMENS 840D, MTConnect, OPC UA, EUROMAP, BOSCH
Controllers protocols	Modbus, EtherNet/IP, PROFINET, MQTT, NMEA National Marine Electronics Association

OEM Partners

Manufacturers	Biglia, FAMAR GROUP, JOBS, mandelli, mcm, MEP, PAMA, PORTASOLUTIONS, VICTOR-TAICHUNG, Paper Converting Machine Company
Hardware	ADVANTECH, CISCO, DELL, intel, SAMSUNG

Digitally transform your production processes and operations in a sustainable way

- Simple and fast interconnection to machines and networks via LAN, WiFi, 3G/4G, with hardware from leading suppliers
- Fast and scalable machines and devices integration using XPANGO Device Drivers technology and Alleantia Library of Things
- Support of both new and old machinery with hybrid architectures, suitable for different situations
- Native remote monitoring, diagnostic and visualization of operating parameters
- Notifications and alerts via email, SMS, streaming API, event management platforms
- Ready to use Digital Twin IIoT Apps and Enterprise Bus to integrate with most used Clouds and IT infrastructures
- Remote upload and synchronization of programs and machine instructions with Dropbox, OneDrive for Business, REST API and other IIoT Apps
- Interactions between users and working groups through corporate social networks IIoT Apps, such as Yammer and IndyChatBot
- Application Ecosystem IIoT Apps connecting to multiple Industry 4.0 Applications
- Fast information access from any user device: smartphones, tablets, PCs

Certified Hardware

Edge-SRP
Edge Solution Ready Package

ADVANTECH
Enabling an Intelligent Planet

CISCO

DELL

Alleantia and represented products are distributed by Tech Data

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 more efficiently

Data collection

machine operational data from CNC and PLC for remote diagnostics

Monitoring

manufacturing energy consumption

Notification

malfunctions and production downtime alarms for fast and targeted maintenance

Analysis

production data and time series

Exchange

of programs and instructions between CNC/PLC and Applications

HOW TO USE DATA

Synoptic, Reports, Notifications, IIoT Apps

Bidirectional connection to the Applications

Digital Twin IIoT Apps
Alleantia IIoT Apps
Alleantia Ecosystem IIoT Apps

Fast and intuitive synoptic configuration

Intuitive and self-configurable web data visualisation

Automate emails and reports

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

Export all your data

Select the data you need and generate your pdf or excel file

IIOT APPS

'Connected by Alleantia' interface modules to on premise and on cloud systems and Applications: certified interoperability

connected by Alleantia

Digital Twin IIoT Apps

Enabling data sharing via API or Certified Platforms Connectors

API & COMMUNICATION PROTOCOLS

MQTT.org
Modbus
{REST}
OPC UA

CLOUD PLATFORMS

Azure
ADVANTECH WISE-PaaS IoT Software Platform
Cisco Kinetic
thingworx
PREDIX

Alleantia IIoT Apps

Connecting machines directly to Applications

DATA SHARING

OneDrive for Business
Dropbox
ORACLE
MySQL
Microsoft SQL Server

CORPORATE SOCIAL NETWORKS

yammer
IndyChatBot

ENTERPRISE BUS

DELL Boomi

Application Ecosystem IIoT Apps

Alleantia Industry 4.0 Applications Partners connectors

SUPERVISION & DASHBOARDING

LEONARDO
Infor4.0 INDUSTRIAL & ANALYTICS
semioty
NEXMAN
Porini
WISE-PaaS/RMM

DATA ANALYTICS & PREDICTIVE MAINTENANCE

Olivetti
LEONARDO
DASSAULT SYSTEMES
SENSEIOTY
cloudera
SINERGEST SUITE

PRODUCTION MANAGEMENT

bravo manufacturing
iprod
PORTASOLUTIONS OPEN 4.0
BRICKREPLY
TESAR NEXT SOLUTION
iFMX

PLM / PDM / AR / VR / AI

LINKERSYS
DASSAULT SYSTEMES
IndyChatBot
documenta PLM
dgroove Tecnologia emozionale

List of partners expands continuously, please check www.alleantia.com/partners

SOFTWARE IN DETAIL

Alleantia industry 4.0 software features

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

Try Alleantia solutions for free

http://cloud.alleantia.com

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

Remote load of part-programs via such IIoT Apps as Dropbox and One Drive for Business

SIEMENS

FANUC

OPC UA

MTConnect

HEIDENHAIN

Modbus

Information collected from CNC and PLC, using more than 5000 drivers of XPANGO Library of Things of Alleantia

Xpango <Things> Library

"Energy KIT"
Tracking energy consumption in production

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