progea Cloud
DATABOOM

The simple and effective Cloud IIoT platform

A simple and resilient IIoT Cloud solution to connect and manage your systems better with Business Analitics

Progea offers the best solutions for data interconnectivity using Industrial Internet of Things connectivity (IIoT) to collect data in the Cloud for quick and easy analysis using fully customizable Web Dashboards.

Cloud Technology

The Cloud platform is fruition of collaboration between Progea and Databoom, two leading software companies who know exactly what Industry 4.0 means and how it can work for your business. Their joint expertise and collaboration has flourished into automation sofware that offers cutting-edge technology correlated with unparalled services. A highly professional team readily awaits your every need to analyse and promptly deliver the best solution. The Progea-DataBoom Cloud platform is based on a solution especially designed for the Cloud and IoT. It has eversafe and performing data storage that is ensured with new generation 'Non Relational'' databases designed specifically for Big Data.

Industrial IoT Connectivity

At the baseline of the connectivity framework is a lightweight but very secure communication driver designed to facilitate and optimize data collection while ensuring the integrity of data in any temporary absence of internet connections in the meantime. Essentially, it is an Industrial Internet Of Things protocol that is simple, reliable and secure. Progea's technology guarantees secure data collection using the Movicon HMI, SCADA and the Connext gateway. It is the most essential connectivity technology to have when connecting to any field device and network (e.g. PLC Siemens, Rockwell, Schneider, Omron, Saia, Mitsubishi, Modbus, Konnex, Bacnet, Profinet, Profibus, Ethernet/IP and many more). In addition to the large number of communication protocols, the gateway is also certified with OPC UA technology. Whatsmore, the platform's protocols can be expanded and customized as needed.

Lots of Movicon and Connext integrated solutions

Extremely simple to use

Progea Cloud.Databoom is simpliticity at its best. It has been specifically designed so that even the less experienced user will have no problem using it. It can be easily configured through a simple and intuitive web interface.
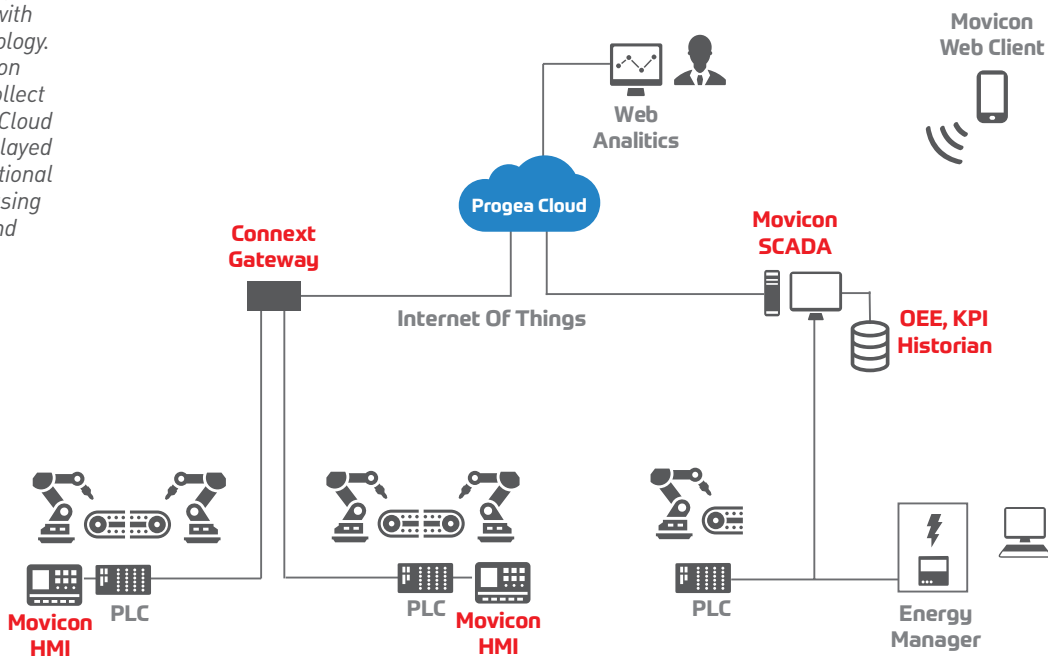By accessing with an account, the data display pages can be quickly configured on a needs-be basis using error proof, step-by-step configurator tools. It has also been designed for Team use so that information can be shared and managed by different users with different access levels from administrator to read only.
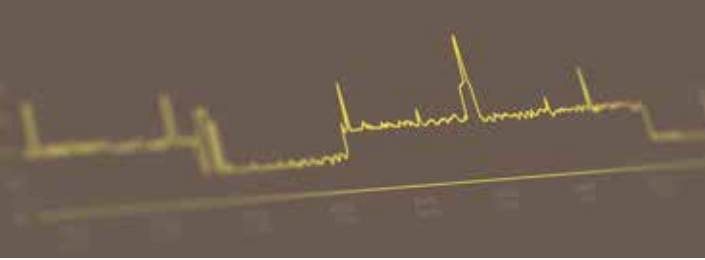
Data Collection and Business Analitics

Today the best data collection tools are being utilized to make data available to wherever you are across the globe. A global connectivity which has been made possible by the Internet of Things and Cloud computing technology. Data can now be collected within functional domains, across functional domains within a system and across systems. For the industrial sector this means that information, relating to various automation, energy consumption, productivity and maintenance systems as well as any other information deemed necessary, can be collected to perform an indepth analysis on the productivty chain. Progea Cloud.DataBoom is based on an architecture designed to collect Big Data and make them available over the web in quick response to requestors, wherever they may be, with the greatest of simplicity and performance. The architecture uses a new generation of high performing non-relational database, called MongoDB, which can handle huge volumes of data over the web for fast and easy consultation through the use of fully customizable Dashboards.

Flexible Architecture

Any type of data collection system can be design engineered with the Progea software technology. For example, communication gateways can be used to collect data and send them to the Cloud platform. Data can be displayed or recorded locally on Relational Database or over the net, using the Movicon visualizaton and control functions.

Movicon Web Client

Web Analitics

Progea Cloud

Connext Gateway

Movicon SCADA

Internet Of Things

OEE, KPI Historian

PLC

Movicon HMI

PLC

Movicon HMI

PLC

Energy Manager

Analysis Dashboards
for continuous full control

Get your business running efficiently at all times by having everything under continuous control with Analysis Dashboards.
Data recorded on the Cloud platform are displayed using a simple and immediate Dashboard screen page configuration. Various Widgets and ready-to-use graphical object can be inserted and configured for use on dashboards. A variety of different tools are also provided to help configure Dashboards in the most appropriate way as needed, such as signal lists, detailed objects, analytic charts of all types and infographics. Users can create a number of different Dashboards and customize them to clearly display the information as needed. The advanced analysis tools are very handy to use for comparing and cross referencing different types of data signals or period of time in the same chart. Progea Cloud.Databoom is an irreplaceable tool that no company can do without.

One plaform, a multitude
of possibilities

Progea Cloud.Databoom is a versatile platform, designed to ensure data availability in a vast number of operational scenarios. The Progea technology offers the ideal solution to handle data deriving from different sites by collecting them in the Cloud to instantly make them available in the simplest way possible to a great number of people located in different locations. For example:

- **Production Managers**
  It is an ideal tool for collecting production line data from different facilities to verify production availability and efficiency, calculate specific OEE indexes or just run a general check at any given time.

- **Maintenance Managers**
  Collecting data from different production systems in different facilities will enable maintenance staff to verify machine availability and efficiency, KPI, MTBF and MTBR indexes, downtimes, alarms and downtime statistics. This crucial information will empower the maintenance department to respond with speedy intervention through quick analysis and troubleshooting.

- **OEM and Machine Builders**
  It is a sophisticated tool for the machine builder business. By using the modern 'machine learing' solutions to instantly verify the availability and efficiency of machines installed worldwide, at any given time, will enable OEM and Machine builders to get production indexes under full control and access availability statistics to manage and provides a preventive maintenance service by remote control.

- **Energy Managers**
  It is the ideal tool for Energy Managers who need to collect and analyse all energy consumption and production consumption data instantly in order to verify the efficiency of their systems for individual or general energy billing purposes.
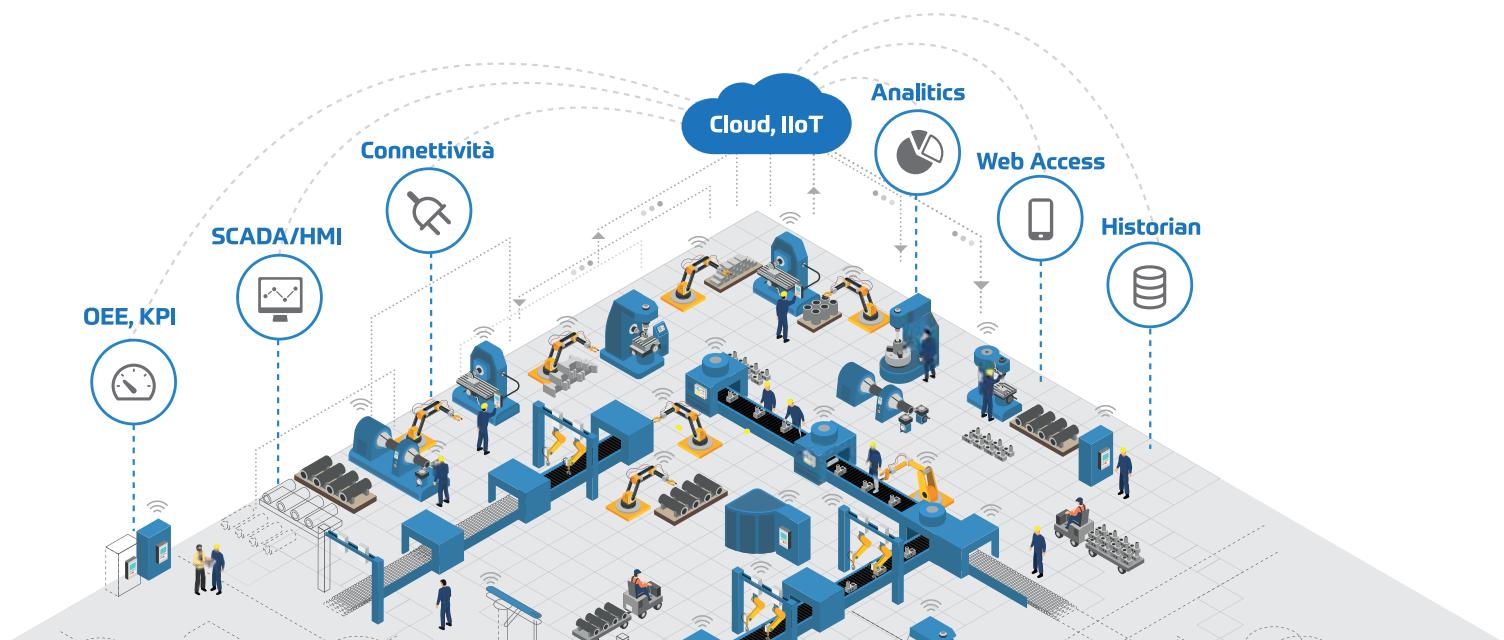
Simple and Powerful

Key Features

- Cloud Platform for collecting and analysing data.
- Based on NoSQL Mongo DB.
- High availability and security, cross-platform and responsive Cloud Server Architecture.
- Account with User Team management (Administrator and Operators). Shared Dashboard management for Team users.
- Simple and intuitive configuration, Multilanguage and Online Help.
- Progea IoT data protocol to connect to Movicon or Connext. Other protocols, such as MQTT or PubNub, are available or customizable.
- Progea IoT protocol with data buffer management in event of temporary loss of connection.
- Local, 'Virtual' and combined signal managment to create variables or local indicators.
- Data management security to ensure safe protocols, automatic data redundancy and encryption.
- Possibility to manage 'Rules' to send notifications or data to users or devices.
- Possibility to use 'Alarm Notifications' manager in emails and sms to users.
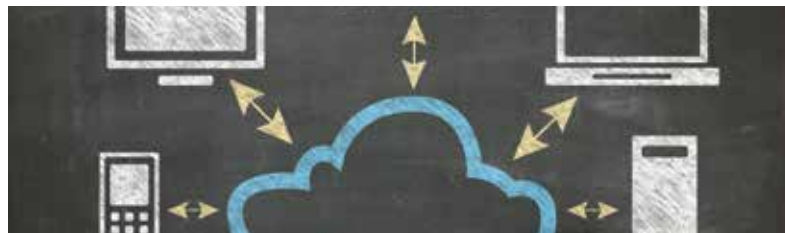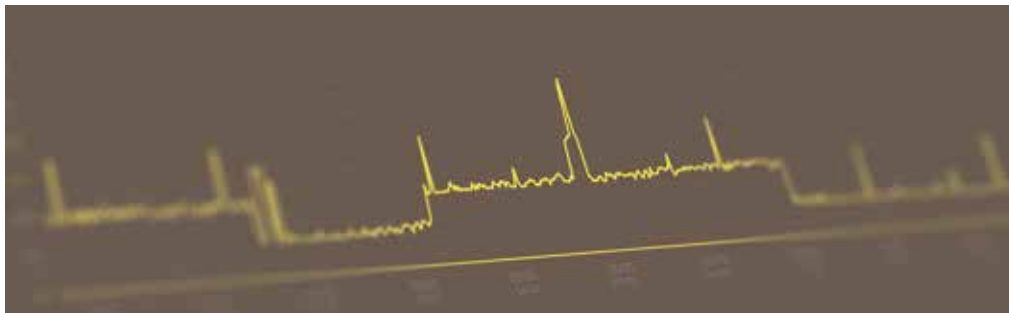- Possibility to export analysed data locally on Excel or .CSV files.

Sales Policy

The Cloud platform does not require a license but a subscription according to the quantity of data to be managed. The Progea Cloud.Databoom policy is simple and linear. A free trial solution and two types of subscription, a 'Base' type and a 'Pro' type, according to the quantity of signals to be managed. However, subscription contracts can be customized and sized on a needs-be basis.

The Progea Solutions are your gateway to success with the Internet of Things and Cloud

Contact the Progea offices for more details! Our experts are ready to give advice and assist you with the Internet of Things architecture. Ask for the most technologically advanced and ideal solution that meets your needs and your budget!

progea
INDUSTRIAL AUTOMATION SOFTWARE

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