

PlantConnect – Plant Asset Monitoring System (PAMS)

What is PlantConnect PAMS

PlantConnect PAMS is a web-based **Plant Asset Monitoring System (PAMS)**

Using it at the plant, you can monitor:

- **Same or different types of machines**
- **Machines located in a single or multiple plants**
- **Anytime (24x7)**
- **Real time monitoring - continuous OR need based**

Which Equipments can be monitored

Any equipment fitted with a **Controller / PLC / HMI** and which can communicate using a published protocol. This will include –

- **CNC machines**
- **Plastic Injection Moulding / Blow Moulding Machines / Extruders**
- **Packaging Machines**
- **Other Special Purpose Machines**
- **Boilers / Chillers / Pumps**
- **.....**

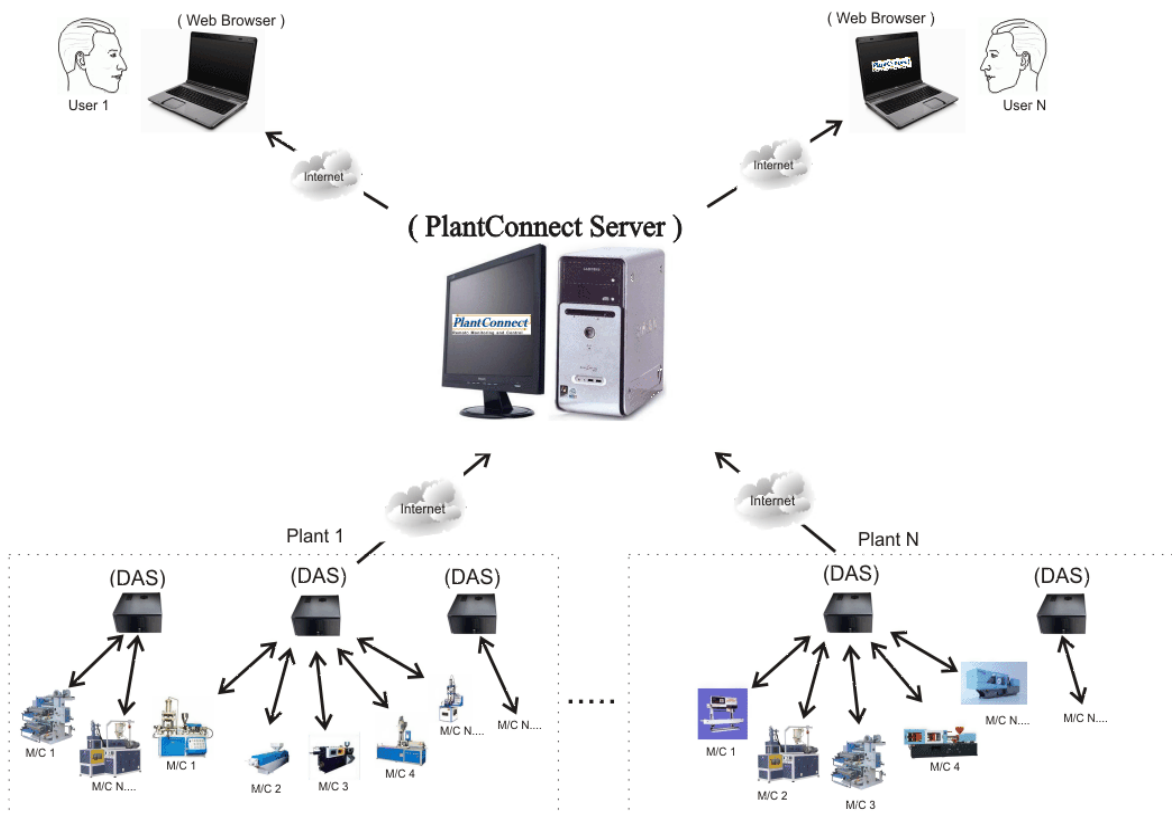
PlantConnect Features

- Establish continuous or On-Demand connection to any equipment
- View online data - trends / values
- Alarms and events alerts
- Preventive maintenance reminders
- Historical data and alarms
- Mimic pages

- Mobile interface
- Data analysis and management reports
- Integration with ERP solutions
- Comprehensive ‘Site Admin’ tool to manage devices, parameters, users etc.
- 100% remote configurable DAS
- User authentication and access control. Access control is password based as well as IP based

Deployment Diagram

Deployment diagram is shown for multi-location plants/factories



How PlantConnect PAMS will help me

You have one or more manufacturing units with various equipments as mentioned above. You are responsible for the overall productivity and smooth operation of the plants.

- You would like to monitor plants / factories from your head office.
- You would like to get various online reports about production, downtime etc.
- You would like to get online management information directly from the plant
- You would like to store production data for further analysis. ..Etc

PlantConnect PAMS will help you in all these and more...

- **Central monitoring of plants**
Monitor all plants 24x7 in real time from anywhere
- **Accurate and real time reporting**
Generate accurate and real time production reports using data read directly from the machines. Reports for both operations staff and management
- **Data analysis**
Collect machine data and use it for analysis, product improvement, R & D etc. Large memory storage of PlantConnect server allows you to store the data for longer duration
- **Push data into ERP**
Push machine data directly into ERP system
- **Just in time preventive maintenance**
Plan routine maintenance tasks based on actual usage data read from machine. So you can do the maintenance exactly when needed...not too early and not too late.
- **Avoidance of major breakdowns**
Set early warning alarms to avoid major problems and breakdowns

Advantages (Operations)

- Monitor machines using a standard web browser **from anywhere anytime**
- Plant operation with less manpower
- Just in time maintenance
- Early warnings of possible breakdowns
- Real time production reports with direct data from machines

Advantages (Management)

- **Close management control** over all production phases
- Better visibility through real time management reports
- Save resources by just in time maintenance
- **Reduce downtime**
- **Manpower and cost saving**

All of these lead to **maximum productivity** and **minimum overhead**

Please call us for

- PlantConnect PAMS demo
- Feasibility study of deploying PlantConnect PAMS in your plant(s)
- Setup of pilot installation



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