

PlantConnect – Remote Asset Monitoring System

What is PlantConnect RAMS

PlantConnect RAMS is a web-based **Remote Asset Monitoring System (RAMS)**

Using it, you can monitor equipments

- **Located anywhere**
- **Anytime (24x7)**
- **Continuous monitoring OR need based monitoring**

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**
- **..... etc.**

Deployment Scenario

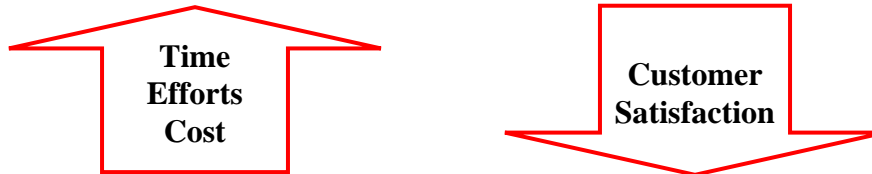
You are the manufacturer of equipments and have your customer base throughout the country and even abroad. You are also responsible for maintenance and support of your equipments.

Customer reports a problem...

Without PlantConnect RAMS

- Customer communicates the problem to Support Dept.
- Support Manager / Engineer interacts with customer thru email / phone and understands the problem
- Then a Support Engineer is sent to the site as per his availability and schedule.

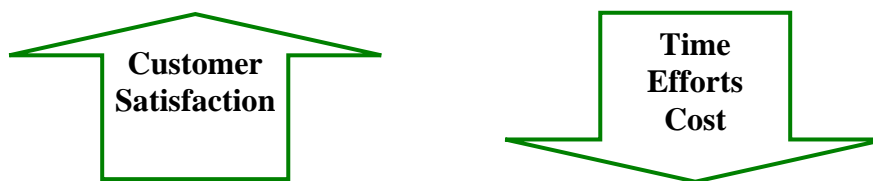
In this case, for problem analysis, you are totally dependent on customer's information, which may not be 100% complete and fully accurate. Sometimes you have to send your engineer onsite just to find some mistake by the operator causing the problem.....and many more such issues resulting into -



With PlantConnect RAMS

- Customer communicates the problem to Support Dept.
- Support Manager / Engineer connects to the faulty equipment using PlantConnect RAMS from anywhere and checks all vital data of equipment
- He understands the problem and may provide solution immediately
- If he needs to travel to site, he does necessary preparation for quick resolution of problem

In this case, for problem analysis, in addition to information given by customer, you get real time data from the equipment and hence the analysis is 100% complete and fully accurate. This results into -

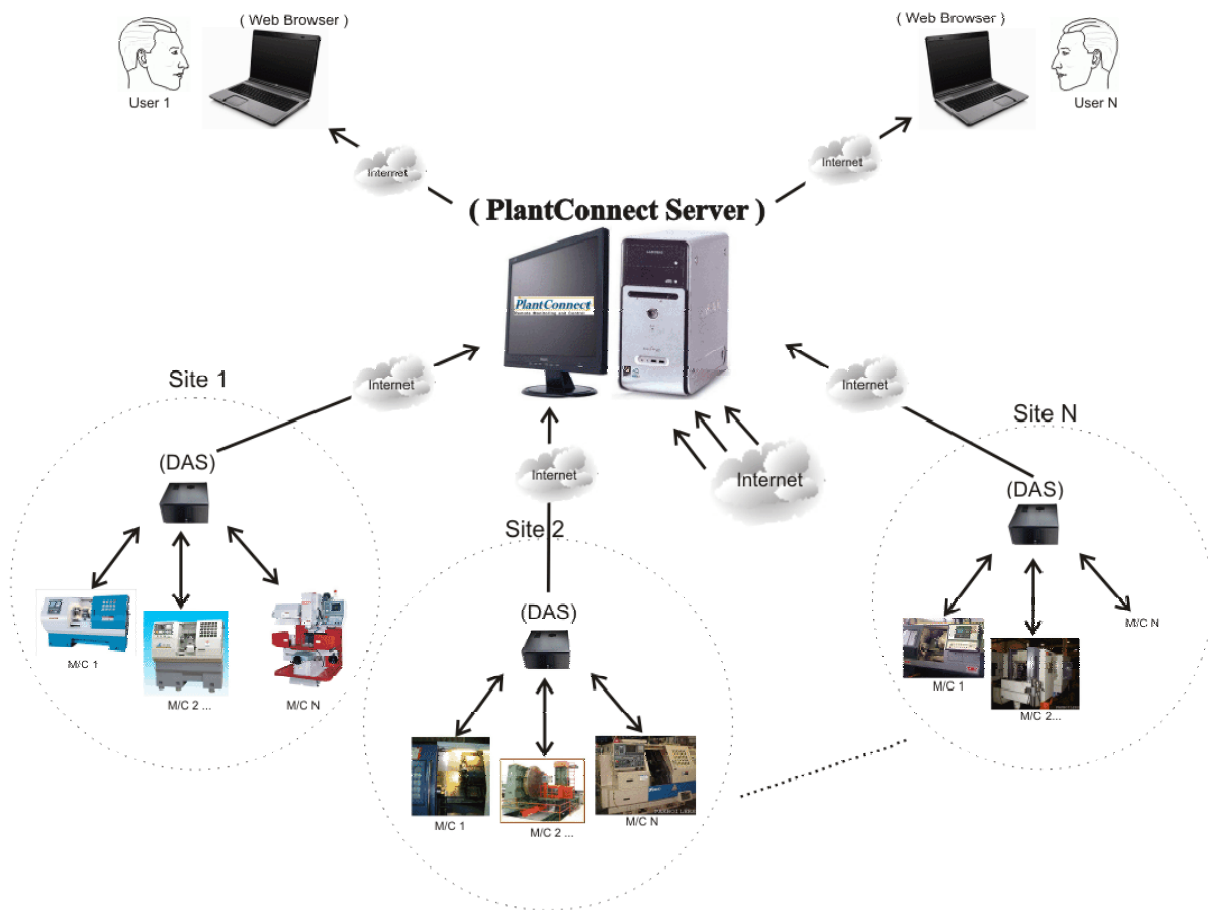


PlantConnect Features

- 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
- 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



Advantages (Operations)

- **Real time monitoring** of machines on any site using a standard web browser **from anywhere anytime.**

- Troubleshoot **problems on customer site in minutes and give immediate response to your customer**
- The service engineer does not need to go onsite physically. He can view online data of the equipment and **fix the problem** by passing the instruction telephonically, **even without visiting the site**
- Get alerts for maintenance directly based on machine data

Advantages (Management)

- **Faster and better service to customers**
- Better utilization of experts
- **Huge manpower and cost saving**
- Save resources by **just in time maintenance**
- Access real-time production data for **quality improvement and R & D**

Please call us for

- PlantConnect RAMS demo
- Feasibility study of shipping PlantConnect RAMS with your equipments
- Setup of test installation



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