

Process Control Systems and Plant Maintenance Interface

Plant Maintenance –Process Control Systems (PM-PCS)

By using this interface, you can transfer measurement and counter readings from feeder systems into the R/3 System. In the R/3 System, data is saved in measurement documents and can be used by both the PM (Plant Maintenance) and SM (Service Management) application modules.

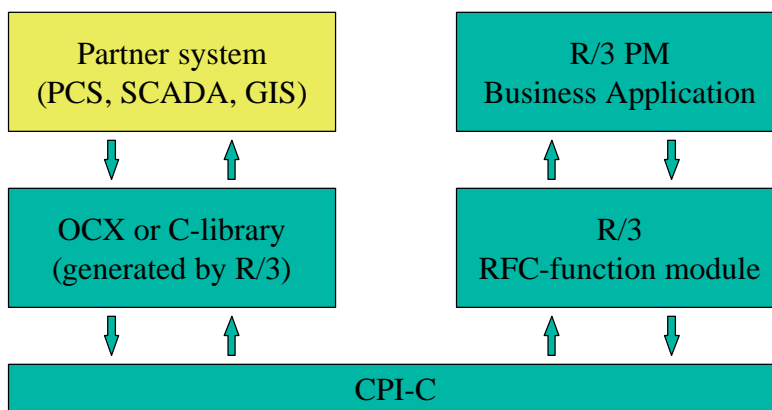
Process control systems provide a wealth of data that arises within a particular process, building, or infrastructure. SCADA systems (Supervisory Control and Data Acquisition Systems) perform a filter function in these circumstances. They filter out the maintenance-relevant data and, in this way, prevent the R/3 System from being flooded with process data. In addition, SCADA systems enable communication between one or more process control systems and the R/3 System.

The PM-PCS interface transfers filtered data from a process control system (PCS) to the R/3 System. Measurement documents are created automatically in the R/3 System for the measurement and counter readings.

You should implement this interface if you want to use measurement documents in the R/3 System as the basis for performing maintenance activities or for documenting information.

Implementation of the Interface

RFC communication scheme



OCX = OLE Custom control eXtension

Purpose in the R/3 System:

- Performance-based, regular maintenance enables you to plan maintenance activities based on counter readings that are maintained for your technical objects.
- In the case of condition-based maintenance, measurement documents and malfunction reports are generated on the basis of predefined events at your technical objects. You can use malfunction reports to request maintenance activities.
- You can use measurement documents to record information that is necessary to the areas of plant safety, job safety and environmental protection.
- From Release 4.0 you can also use measurement documents as the basis for consumption billing for real estate management.

Implementation Considerations

Possible feeder systems:

- Portable data entry systems
- Process Control Systems, (PCS)
- SCADA systems (Supervisory Control And Data Acquisition Systems)