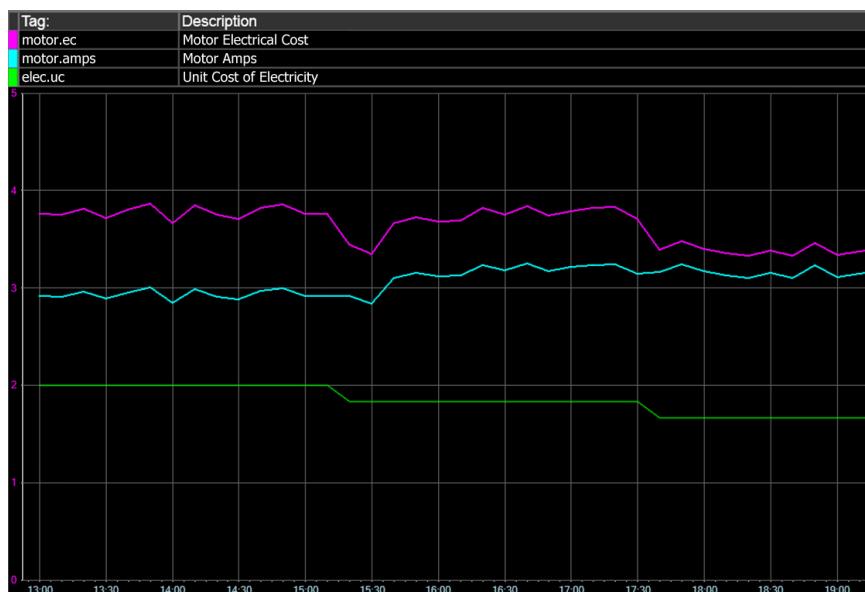# SAP/ERP INTEGRATION

REAL-TIME ERP INTEGRATION

dataPARC's real-time ERP interface bridges the gap between the administrative and process worlds. Free exchange of data increases the effectiveness of both programs, improving the efficiency of your entire organization.

Easily Correlate Business and Process Data

Using PARCview to display data which is sourced in SAP or other ERP systems increases the value and usefulness of the PARCview displays, providing direct access to cost, quality control, and inventory data. Combining actual costs with process flows gives operators an indication of the economic consequences of the choices they make.

Tag:	Description
motor.ec	Motor Electrical Cost
motor.amps	Motor Amps
elec.uc	Unit Cost of Electricity

Combining ERP electricity cost data (green) with the amps produced by the motor (blue) to calculate the electrical cost of operating the motor (pink).

Native Integration

Process data from the field can be directly read by SAP and included in production reports and dashboards for use by planners and administrators.
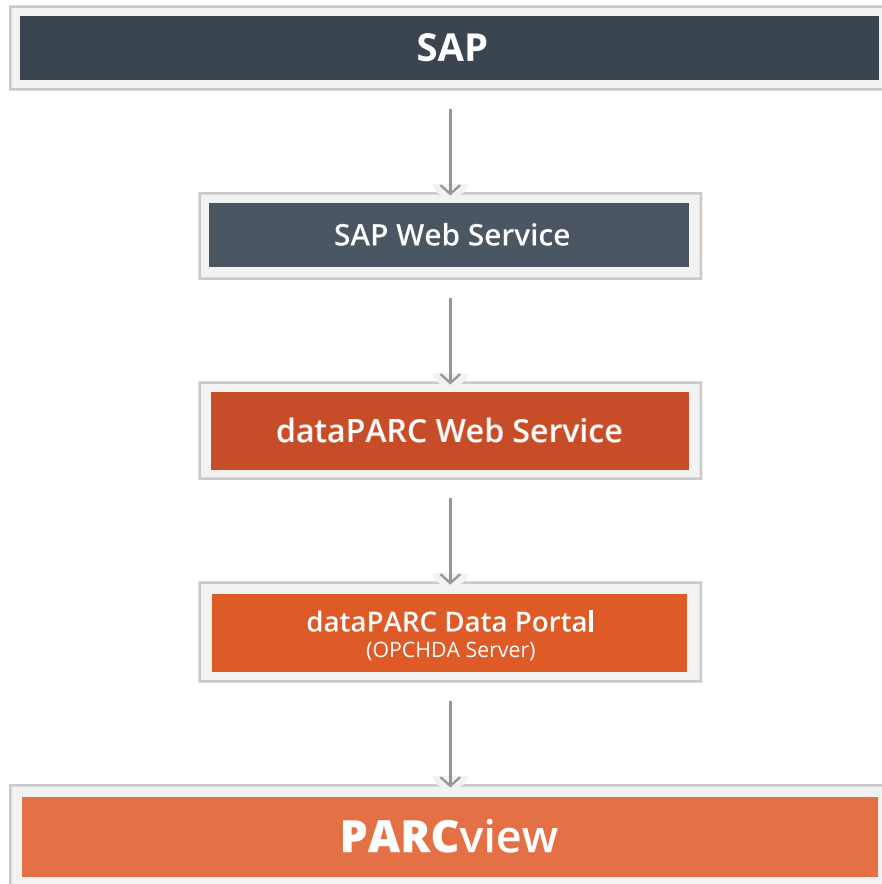
Automated Data Entry

Having access to process data directly allows the creation of real-time reports and avoids the possibility of errors introduced by the manual entry of process data.

Shared Knowledge

Exchanging data between the two platforms which exist predominantly in different areas of the facility means that everyone will be see, and make decisions based on the same real-time data.

TECHNOLOGY

dataPARC uses a .NET based .DLL Web Service proxy to communicate to the SAP Web Service. This provides a flexible interface for a wide range of uses.

```
┌─────────────────────────────────────────┐
│                  SAP                     │
└─────────────────────────────────────────┘
                     │
                     ▼
          ┌──────────────────────┐
          │    SAP Web Service    │
          └──────────────────────┘
                     │
                     ▼
          ┌──────────────────────┐
          │ dataPARC Web Service  │
          └──────────────────────┘
                     │
                     ▼
          ┌──────────────────────┐
          │ dataPARC Data Portal  │
          │    (OPCHDA Server)    │
          └──────────────────────┘
                     │
                     ▼
┌─────────────────────────────────────────┐
│              PARCview                    │
└─────────────────────────────────────────┘
```

IMPLEMENTATION & INTEGRATION

Security

Security can be specified to control who has access to this communication.

Configure for any ERP

Our integration process can also be applied to move data between dataPARC and ERP systems other than SAP.

Eliminate Redundancy

dataPARC reads data directly from SAP and stores a copy of the data.