



INTRODUCTION

The PIKE Process Framework (PPF) is technological product aimed at developers of process & control level applications for quick and reliable development of application for planning, control, measurement, quality and material tracking processes.

The PPF is based on:

- Classes, components and templates
- Reliable technologies
 - Oracle, MSSQL
 - CORBA
 - COM/DCOM, .Net Remoting
- Methods and approaches – patterns
- Utilities
- Experience & Knowledge base

The process & control part, called Level 2, does the data acquisition of production data (production reports), the optimization of production (technological models), the bridge between Level 1 (base automation) and Level 3 (planning level) and other Level 2 systems and the production management overview.

PPF APPLICATION – WHEN TO USE

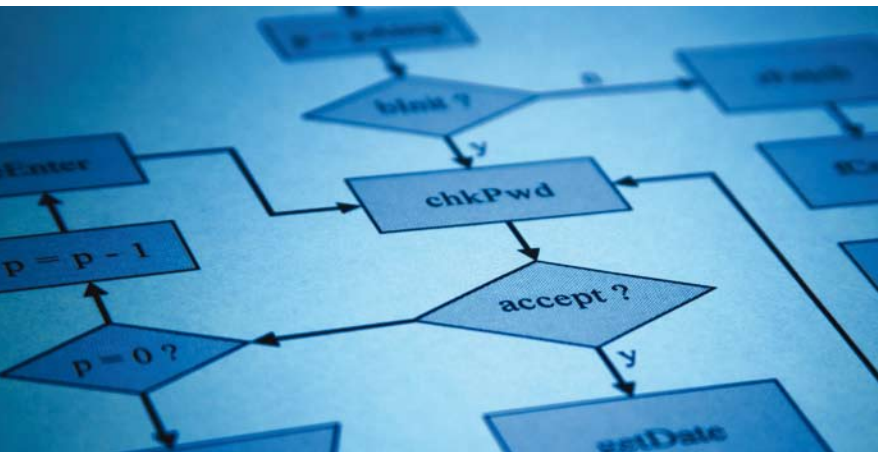
- When world of fast changing data should be connected to well structured world of relational databases
- When applications in heterogeneous environment should be integrated
- For example
 - Billing systems
 - Technological Process Control systems (Level 2 systems)

PPF BENEFITS

- ✓ Performance of data interchange
- ✓ Reliability of processes based on PPF architecture
- ✓ Portability (Microsoft NT- XP, VMS, UNIX, Linux)
- ✓ Fast development
- ✓ Development and testing phase cost reduction

PPF COMPONENTS

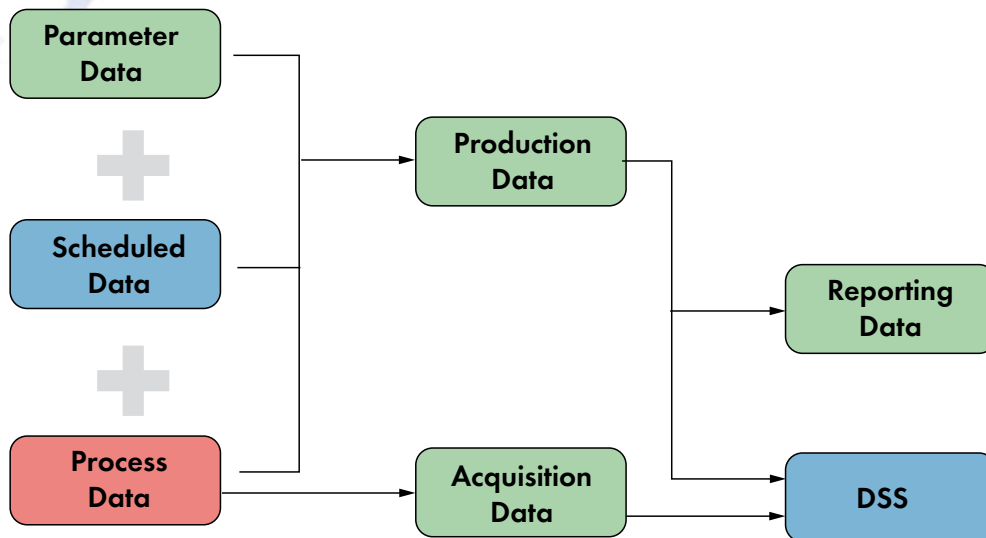
- Process Frame Environment
- Internal communication using CORBA
- PPF support classes and templates for the CORBA
- TCP/IP supporting class
- Debug Message System
- Log File Viewer
- Shared Memory support
- Shared Memory Browser
- Unified HMI interface
- Oracle DB standard access class (Pro*C and OCCl)
- PEM – platform independent process building
- System Application Monitoring





PPF DATA FLOW

Data flow schema



PPF DEVELOPEMENT TECHNOLOGIES

- Oracle8i, Oracle9i, Oracle 10g
- C++
- SQL, PL/SQL
- Pro*C (ADO), OCCI
- CORBA, (COM/DCOM)
- HMI
- C++ .NET, C#, Borland C++ Builder, Oracle Forms
- Crystal Reports, Oracle Reports
- Oracle Discoverer