

On-line Connectivity module for LIBPF

the C++ Library for Process Flowsheeting

LIBPF is a tool to rapidly prototype and deploy small-footprint custom applications implementing computations for training, process engineer support, on-line process diagnostic, data reconciliation.

The LIBPF **OPC** (Open Process Connectivity) product adds to LIBPF CORE the capability to connect to the plant (see <http://www.opcfoundation.org>).

Available Interfaces

PLC (Programmable Logic Controller)

DCS (Distributed Control System)

Real-time databases

SCADA (Supervisory Control And Data Acquisition)

Applications

First-principle Soft Sensors

Data reconciliation based on mass and energy balances

Pilot Plant monitoring

Process Diagnostic (heat exchanger fouling, catalyst or electrode deactivation)

Features

Operates as a service (Windows) or daemon (Unix)

Customizable error logging for troubleshooting

Update events from OPC server trigger execution of computations

Groupwise data read and write for fast data transfer

For more informations, please visit <http://www.libpf.com> or write to LIBPF-sales@3ip.it