

CORE 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 **CORE** product contains the calculation kernel and is the minimal set-up required to create a solution based on LIBPF.

Features

Small footprint: 2 MB standalone executable

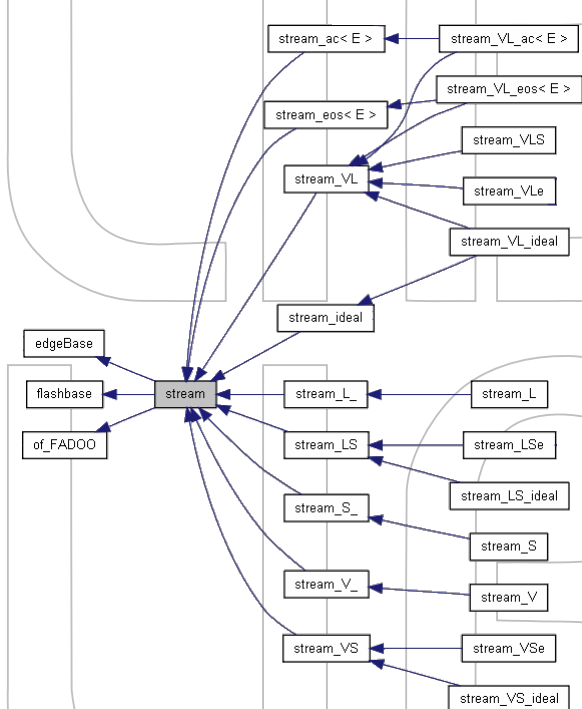
Compliant with «Programming Language C++» ISO/IEC 14882:1998 standard

Portable: runs on any host where a C++ compiler is available

Lean: just about 30k LOC (lines of code) thanks to extensive code reuse

Complete: over 250 classes with all the objects required for process modelling

Supports parallel execution on multicore workstations



Additional functionality available as separate products:

- User Interface: LIBPF **UI**
- Database connectivity: LIBPF **ODBC** and LIBPF **SQLITE**
- Plant Control System connectivity: LIBPF **OPC**
- Modelling of fuel cells and fuel cell power generation systems: LIBPF **FC**

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