

## Overview of WinPQ & PQI-DA installation

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This document describes the general procedure to set up automated Power Quality Monitoring system using A.Eberle WinPQ software and PQI-DA hardware. Further documentation is available for most steps.

- 1) Prior to site installation and first use of PQI-DA hardware, install "REG-P Loader" loader on any PC, direct connect PQI-DA via Ethernet cable and set up PQI-DA IP address and com port settings. PQI-DA may now be installed at site.
- 2) Install WinPQ software on target machines (one server copy and one, or more, clients)

On the server:

- Install full WinPQ package and SQL data base on file server
  - It is recommended to also install mySQL graphical user interface (admin tools, MySQL Administrator, MySQL Query Browser). Available from <http://dev.mysql.com/downloads/gui-tools/5.0.html> . Note that these tools have now been replaced by MySQL Workbench, but GUI tool are simpler to use and are still available
  - It is recommended to install mySQL ODBC drivers so engineering users can access database information directly from Excel. ODBC drivers can be found in one of the installed WinPQ subdirectories.

On the clients:

- Install only the WinPQ visualisation software on clients (e.g. control room and engineering computers). Do not install MySQL or ODBC drivers.

General:

After installing WinPQ, then install any WinPQ updates (copy update files to WinPQ "Update" directory and run WinPQ again for program to automatically apply updates).

Note: turn off virus scanning software during WinPQ installation and upgrade. For example; ESET NOD32 will not permit installation of PQRS232Server.exe file. NOD32 must be set to ignore this file.

- 2a) Commission WinPQ on Server. Commissioning generally requires:
  - a) Install WinPQ and MySQL on server. Install any updates.
  - b) Create and setup station icons in WinPQ "Start" for each PQI-DA.
  - c) Connect to each PQI-DA.
  - d) Setup PQI-DA (ID, names, CV/CT ratios and connection details).
  - e) Setup in WinPQ "Admin" desired automated WinPQ polling mechanism to PQI-DA. Test operation of PQManager and PQRS232Server.
  - f) Setup desired custom reports and automated emails using PQMail and PQRvReports.
  - g) Ensure correct automation of PQManager, Backup functions and PQRvReports.
- 2b) Commission WinPQ on Clients. Commissioning generally requires:
  - a) Install WinPQ (but not MySQL) on client computers. Install any updates.
  - b) Create and setup station icons in WinPQ "Start" for each PQI-DA.
  - c) Test connection to database.
  - d) Disable non-required functions.