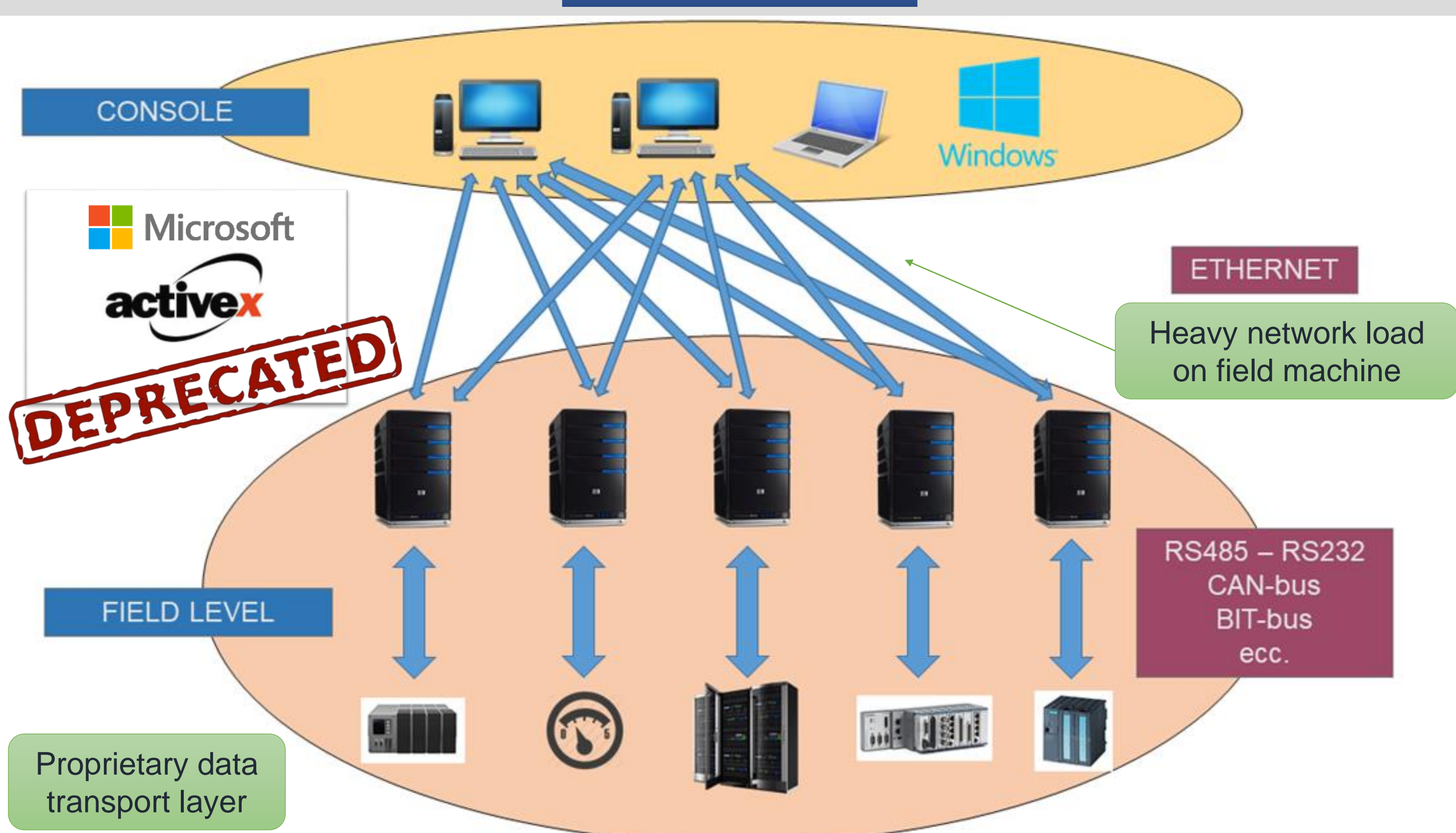


Management Software and Data Exchange Protocol for the INFN-LNS Accelerators Beamlines

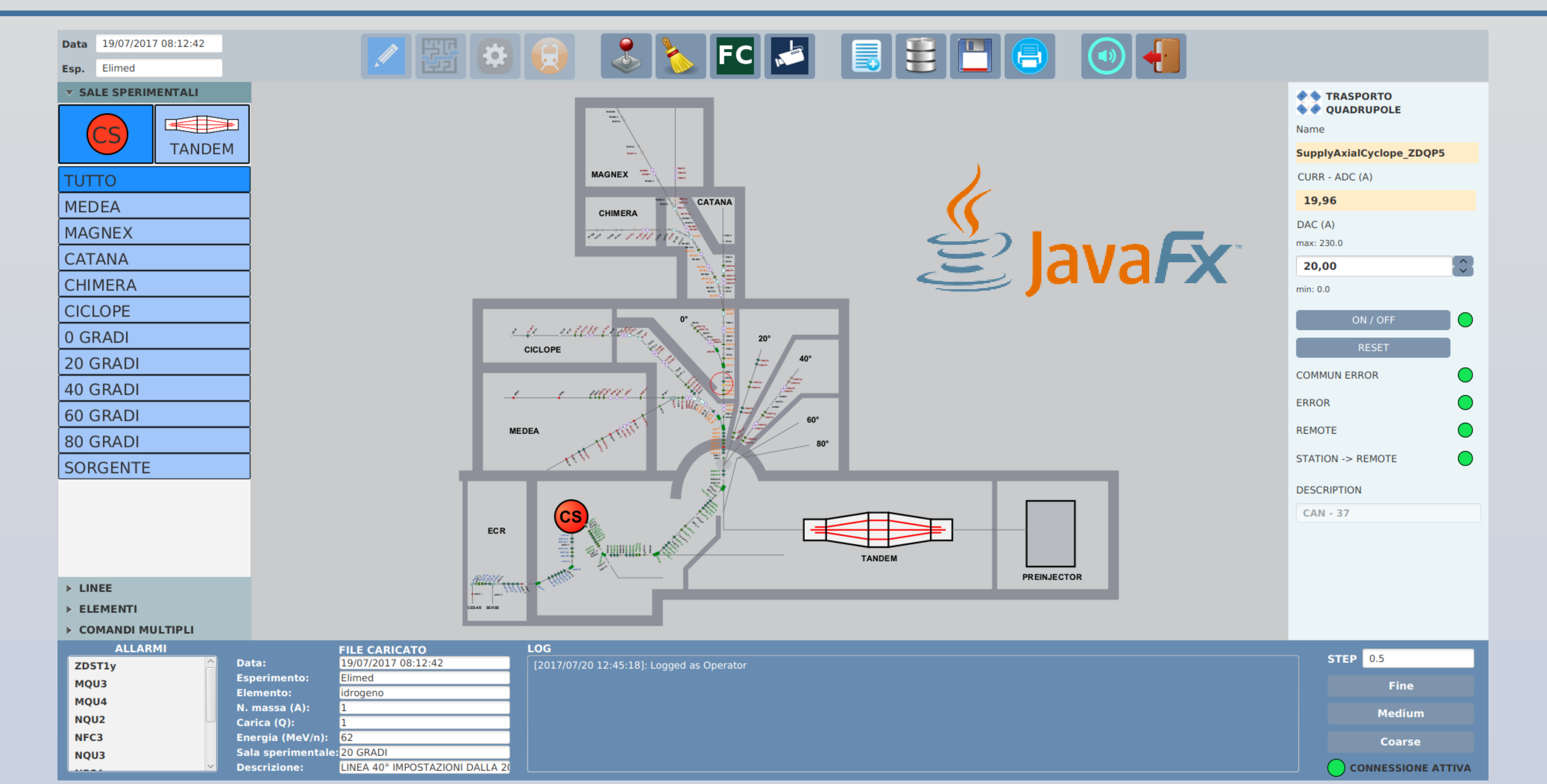
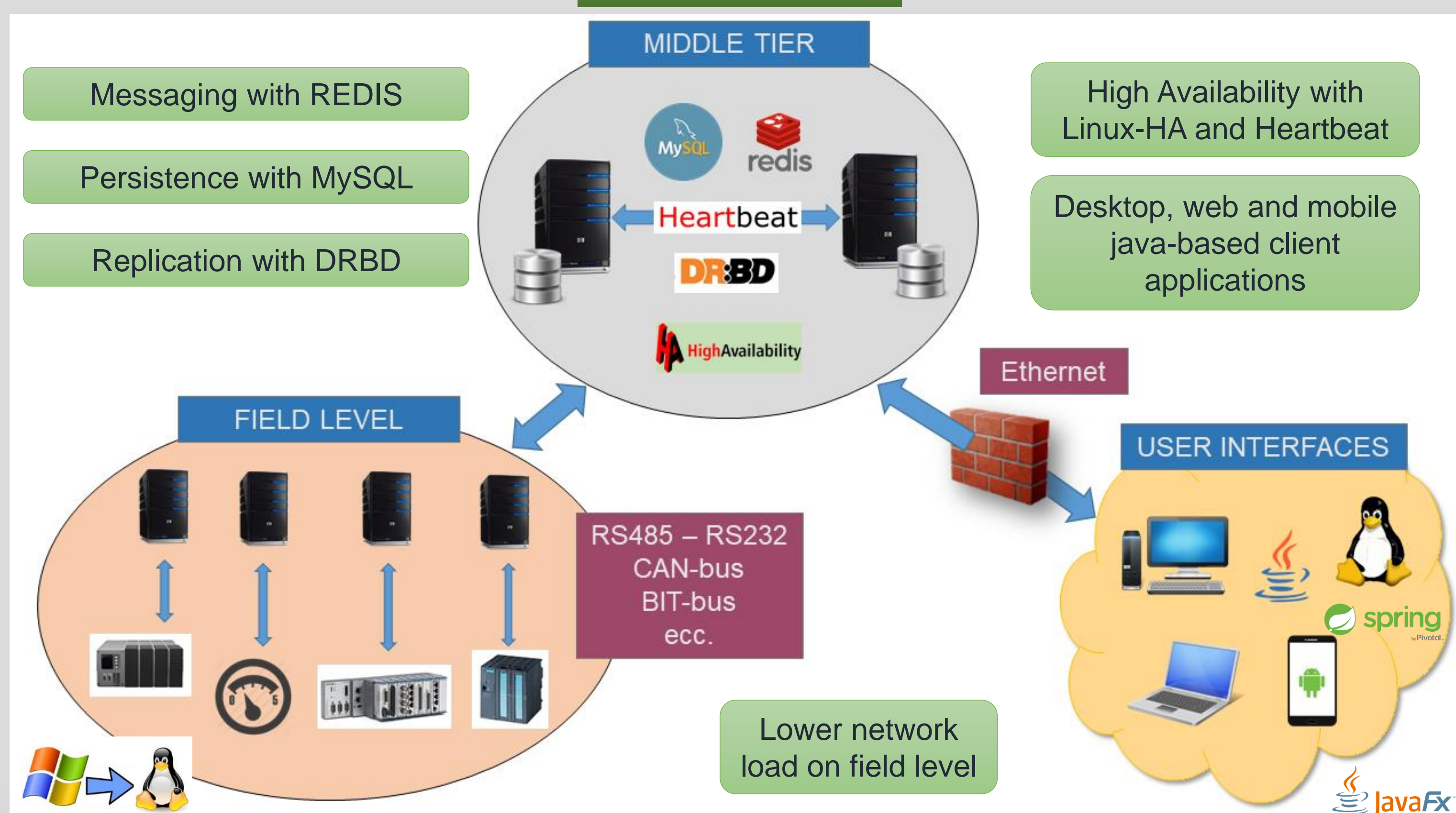
G. Vecchio¹, S. Aurnia¹, S. Cavallaro¹, L. Cosentino¹, B. Diana¹, E. Furia¹, S. Pulvirenti¹
1) INFN Laboratori Nazionali del Sud, via S. Sofia 62, 95123 Catania

SYSTEM ARCHITECTURE

PREVIOUS



CURRENT



SYNOPTIC GUI

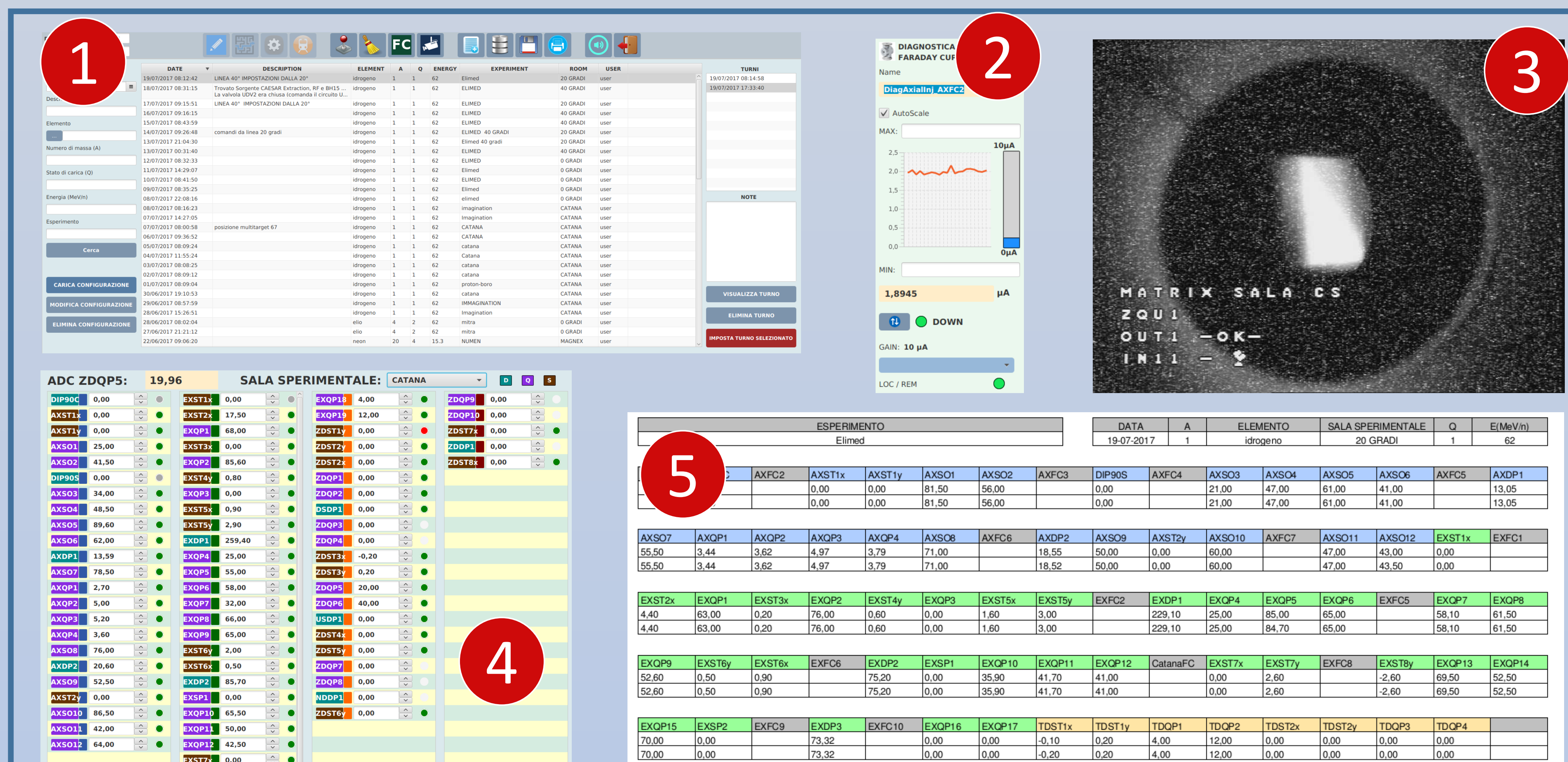
The local console GUI queries the in-memory REDIS database and shows the data coming from the field.

Developed using the JavaFX framework.

The main panel contains the plant of the beamlines, where the operators can navigate to manage and monitor all the parameters needed for beam tuning operations, with an interactive approach.

SEVERAL TOOLS

- 1) MySQL database to save and recall a specific system configuration.
- 2) Indication of beam intensity measured by each Faraday Cup.
- 3) Real-time beam profiling.
- 4) List of Power Supplies along the beamline (setting, status, etc.).
- 5) Electronic logbook for beamline parameters.



CONTACTS

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