

W. Buczak, F. Havart, R. Martini,
O. Ratcliffe, T. Riesco, S. Roy,
J. Letra Simoes, A. Suwalska,
J. Stowisek, F. Valentini

## Technical Infrastructure Monitoring at CERN

The Technical Infrastructure Monitoring system (TIM) is used to monitor and control CERN's technical services from the CERN Control Centre (CCC). The system's primary function is to provide operators with reliable real-time information about the state of the laboratory's extensive and widely distributed technical infrastructure.

A flexible data acquisition mechanism allows TIM to interface with a wide range of technically diverse installations, using industry standard protocols wherever possible and custom designed solutions where needed. The complexity of the data processing logic, including persistence, logging, alarm handling, command execution and the evaluation of data-driven business rules is encapsulated in the system's business layer. Users benefit from a suite of advanced graphical applications adapted to operations (synoptic views, alarm consoles, data analysis tools etc.), system maintenance and support.

J. Stowisek, A. Suwalska and T. Riesco for the TIM Team

