

Console Operated Control System for the RIKEN Muon Facility on ISIS, W.A. MORRIS, G. MARTIN, S. STONEHAM*, ISIS Facility, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX, UK - An integrated control system for operating the muon facility has been completed. The system consists of commercially manufactured equipment and this paper describes: how the communications between them is achieved; the hardware and software architecture from console to field equipment via a Programmable Logic Controller (PLC); the subsequent interfaces to operate power supplies for fast kicker magnets, septum magnets, quadrupole and bending magnets, HV separators, beam slit control and vacuum systems.

* Elgood and Dye Limited.