

# Control Systems in Proton Therapy Facilities

## Abstract

The Control System layer in a Proton Therapy facility will be presented, giving its design principles and a brief description of the units they form it. The functionality for the following units will be briefly presented:

- Accelerator Control Unit for C230 cyclotron
- Accelerator Control Unit for S2C2 synchrotron
- Beam Line Control Unit
- Compact Gantry Control Unit
- Pencil Beam Scanning Nozzle Control Unit
- Therapy Safety System Units