# Safe and Secure PLC Reference System



**Modular Hardware**

**Reference System Panels Installed at RCnD**

Main Hot Standby PLC

Remote I/O Panels
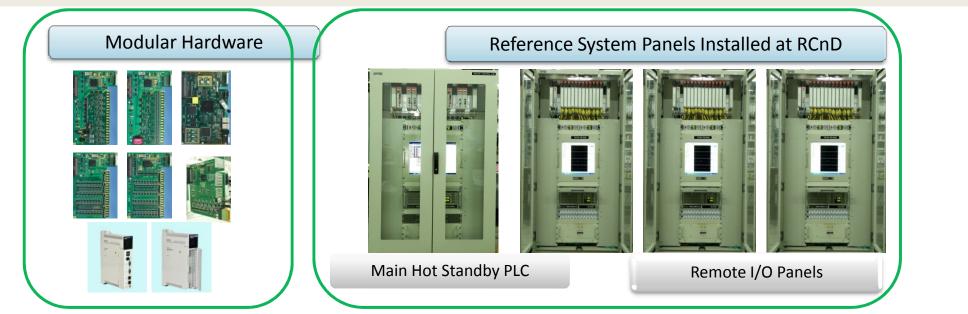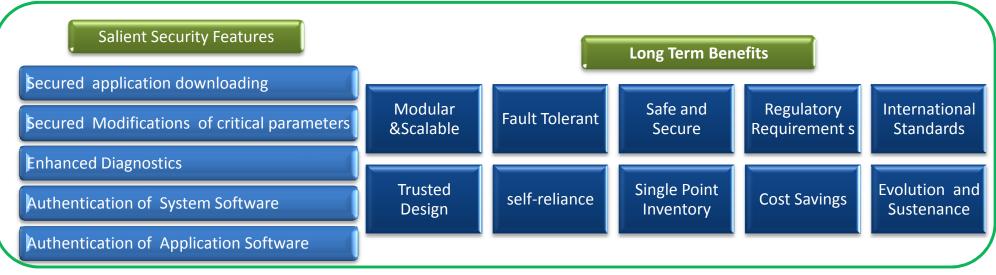
Indigenously designed Industrial strength PLC with enhanced safety and security features for use in NPP, Research Reactors and Reprocessing plants.

Reference System will be used for Software testing, validation and demonstration of proof of concept.

**Salient Security Features**

Secured application downloading

Secured Modifications of critical parameters

Enhanced Diagnostics

Authentication of System Software

Authentication of Application Software

**Long Term Benefits**

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| Modular &Scalable | Fault Tolerant | Safe and Secure | Regulatory Requirement s | International Standards |
| Trusted Design | self-reliance | Single Point Inventory | Cost Savings | Evolution and Sustenance |

**Reference System commissioned at RCnD used for software development and testing of Safe and Secure PLC Platform.**