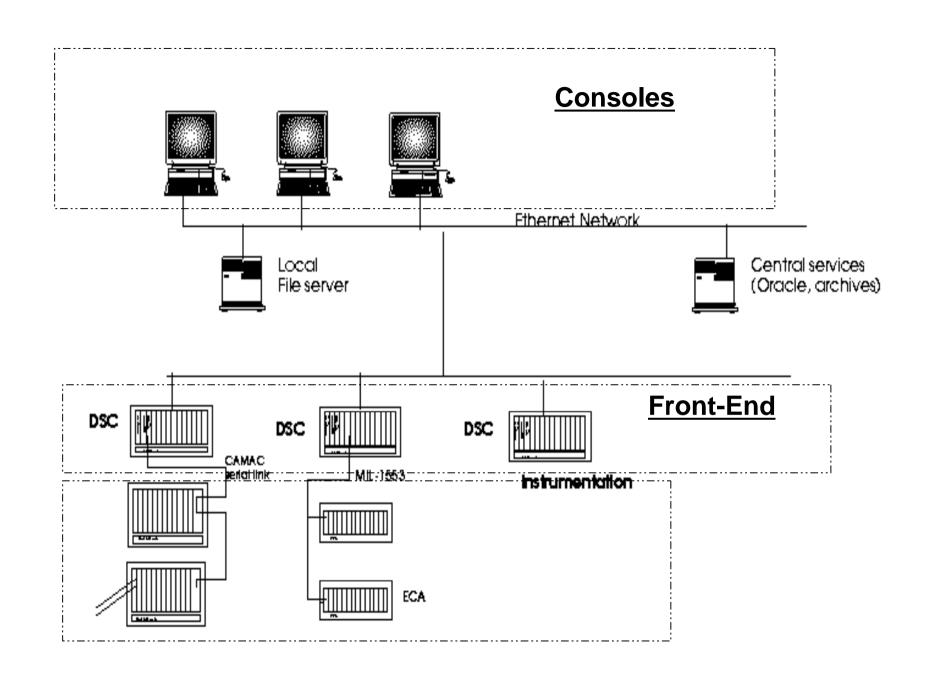# ISOLDE Controls

- Target « front-end » controls
- Address
  - Integration with PS controls
    - ISOLDE is part of PS complex
    - Converge to "standard" exploitation as for the rest of PS
    - Propose a s"standard" controls infrastructure to equipment groups
  - Obsolescence of controls infrastructure
    - Investment in new hardware
    - Apply industrial controls components
- Build upon:
  - Results from ISOLDE controls study (summer 2000)
  - Extensive consultation with equipment groups (PS/PO in particular)
- Beyond "front-end"
  - Console applications
  - Off-line separator
  - REX

Consoles

Ethernet Network

Local
File server

Central services
(Oracle, archives)

Front-End

DSC

DSC

DSC

CAMAC
serial link

MIL-1553

Instrumentation

ECA

quipment				Front-End Controls Cost			15-Mar	15-May	17-Sep	
Tape Station				15000					15000	
Faraday Cups				16000			16000			
Target/ Ion source Power Supplies and Transformer system				36483				18241.5	18241.5	
Gas system				6293.25				6293.25		
Beam Elements Power Supplies				125931			14286		111645	
HRS and GPS Magnet control				34610			34610			
Vacuum and Stepping Motors				8257.5				8257.5		
High Voltage				19000			19000			
Beam Instrumentation				0					0	
Laboratory configuration				32369.25					32369.25	
			Total Front-End Controls	293944			83896	32792.25	177255.8	
Comment:										
Cabling, patch pannels, software, .. not taken in account										