



# Role of Control and Instrumentation systems in operation of Hot-Cells



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## ➤ C & I Plays Key role in safe hot cell operation:

- ✓ Various Pressure,
- ✓ Temperature,
- ✓ level transmitters,
- ✓ Environmental parameters & data logging etc.

## ➤ Analytical and radiation monitoring instruments :

- ✓ Area gamma monitors,
- ✓ Air sampler,
- ✓ counting systems & door way monitor

## ➤ Various Status Measurements:

- ✓ Pneumatic controls,
- ✓ Monitoring of radiation parameters and surveillance also part of Instrumentation

## ➤ SECURITY Systems:

- ✓ Authenticated RFID system for Entry / Exit.
- ✓ TLD & KEY dispensing system
- ✓ CCTV system for monitoring condition of running equipments, controlled area.