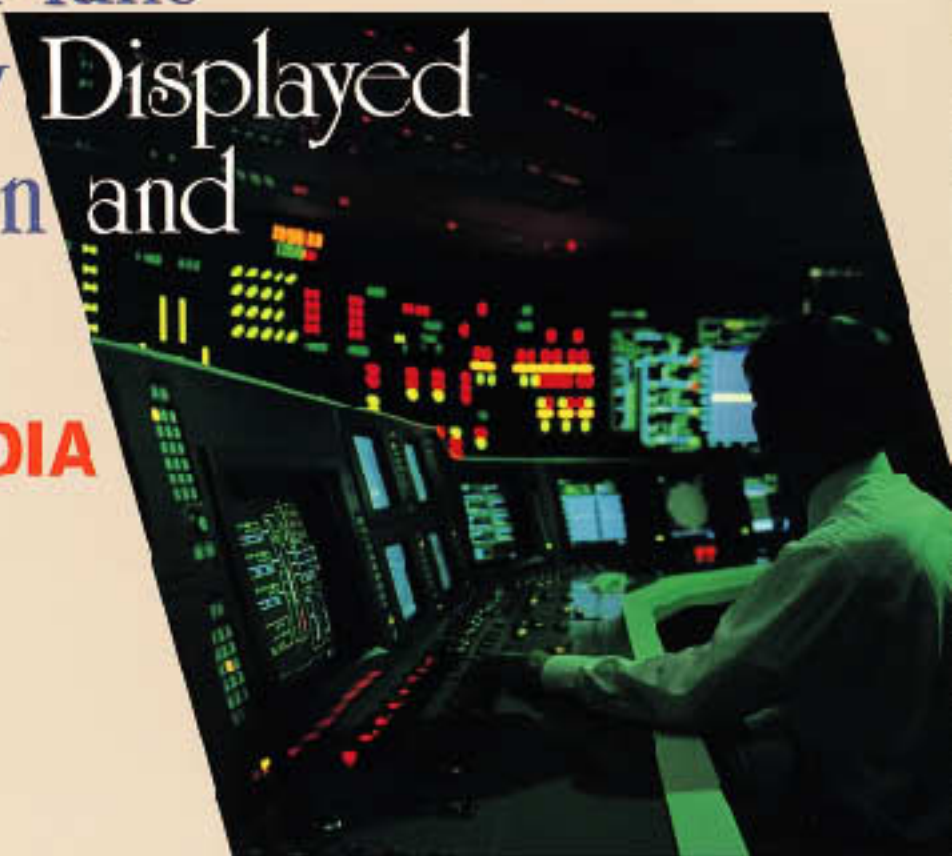


TOSHIBA

Advanced Plant
Operation by **Displayed**
Information and
Automation

A-PODIA



FEATURES

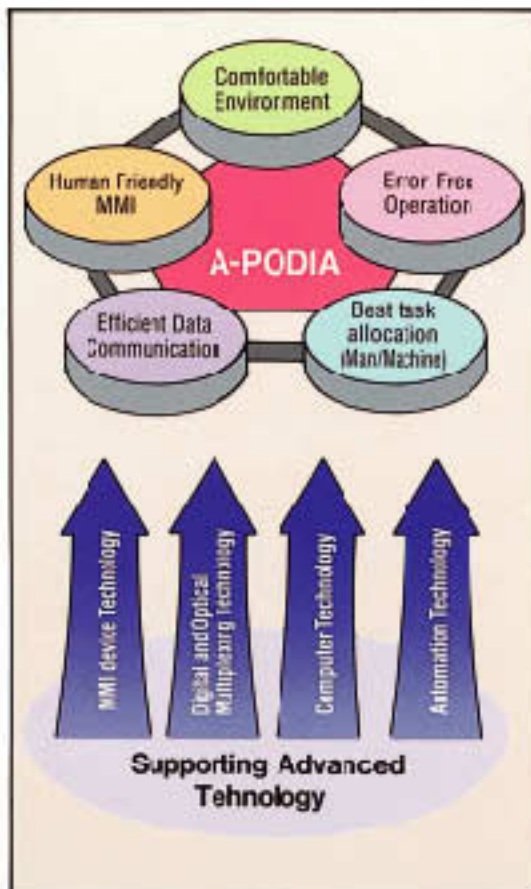
TOSHIBA has developed Advanced PODIA as the third-generation man-machine interface system.

A-PODIA realizes higher operability and higher reliability of monitoring and control, based on excellent operational experience of the second-generation system, PODIA.

A-PODIA has integrated digital control, optical multiplexing transmission, computer and man-machine interface technology, effectively

- Provide the best task allocation between man and machine.
- Provide comfortable operation environment.
- Reduce plant start-up time.

A-PODIA®: Advanced-Plant Operation by Displayed Information and Automation



COMPACT OPERATOR CONSOLE

- Centralized monitoring and control
- Plant operation by a single operator while sitting down

LARGE DISPLAY PANELS

- Includes Plant-level Essential Alarm panel, Plant Monitoring Mimic panel and Large Screen Monitor
- Common recognition of important information for plant safety among all crew in the control room
- Easy Understanding of plant general status

ENHANCED AUTOMATION

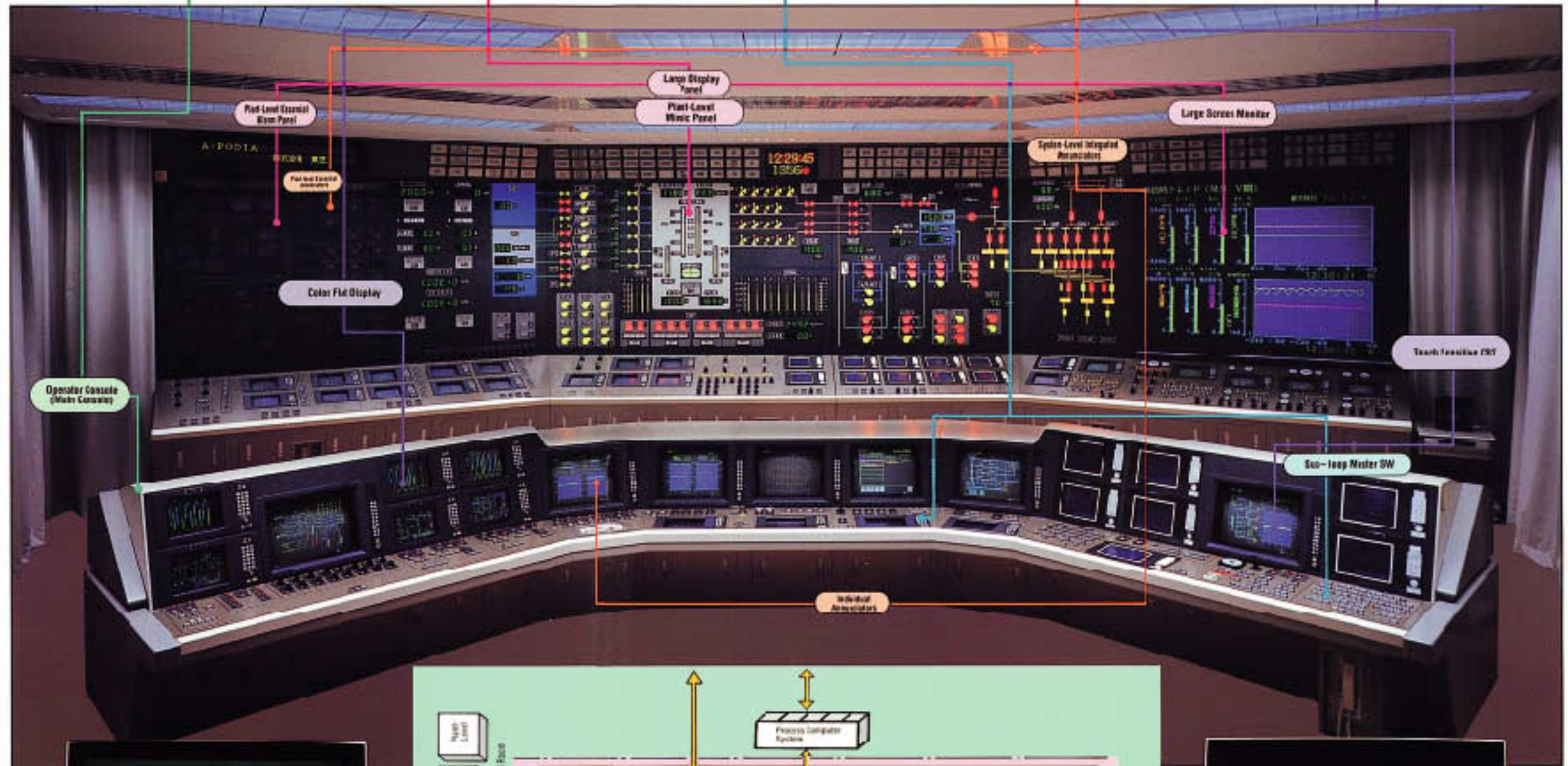
- Reduction of operator workload by automation of control rod maneuvering and anticipated operation after scram
- Reduction of plant start-up time (equivalent to full-bypass plant)

HIERACHICAL ALARM SYSTEM

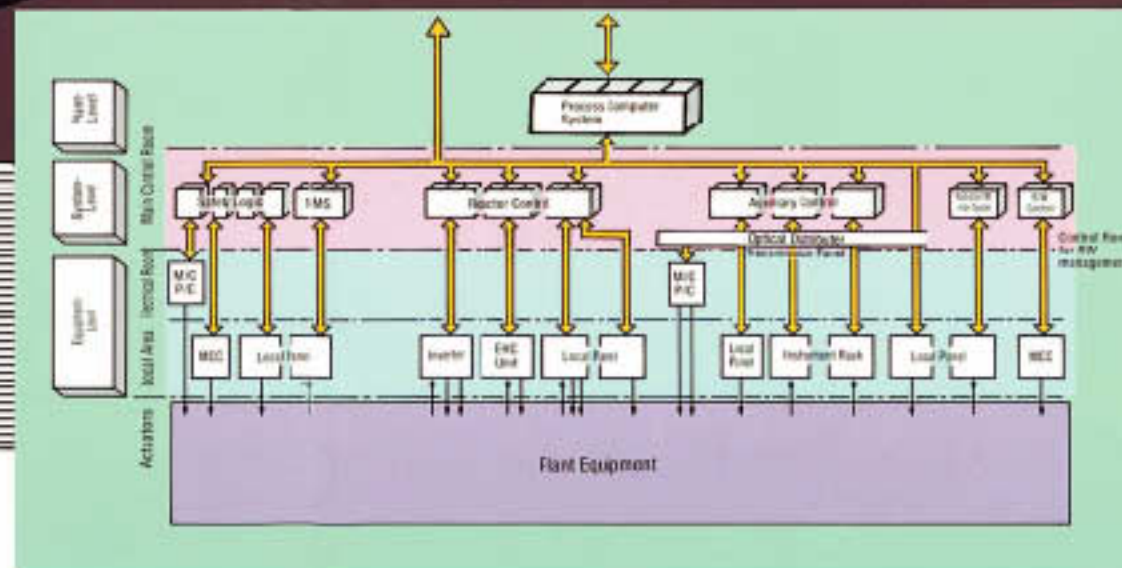
- Easier recognition of plant anomalies by classifying alarms into plant, system and equipment level
- Summarized display of essential alarms for plant safety

ADVANCED MMI DEVICE

- Touch sensitive color flat LCD driven by system level digital controller (Safety Systems, Reactor Control Systems etc.)
- High definition 110" screen monitor
- Touch sensitive and high resolution 20" CRTs
- Optical disk to replace traditional recorders



CRT/Flat Display Example



CRT/Flat Display Example

TOSHIBA

TOSHIBA CORPORATION

ENERGY SYSTEMS GROUP
NUCLEAR ENERGY DIVISION

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