

e-Manufacturing & APC/FDC

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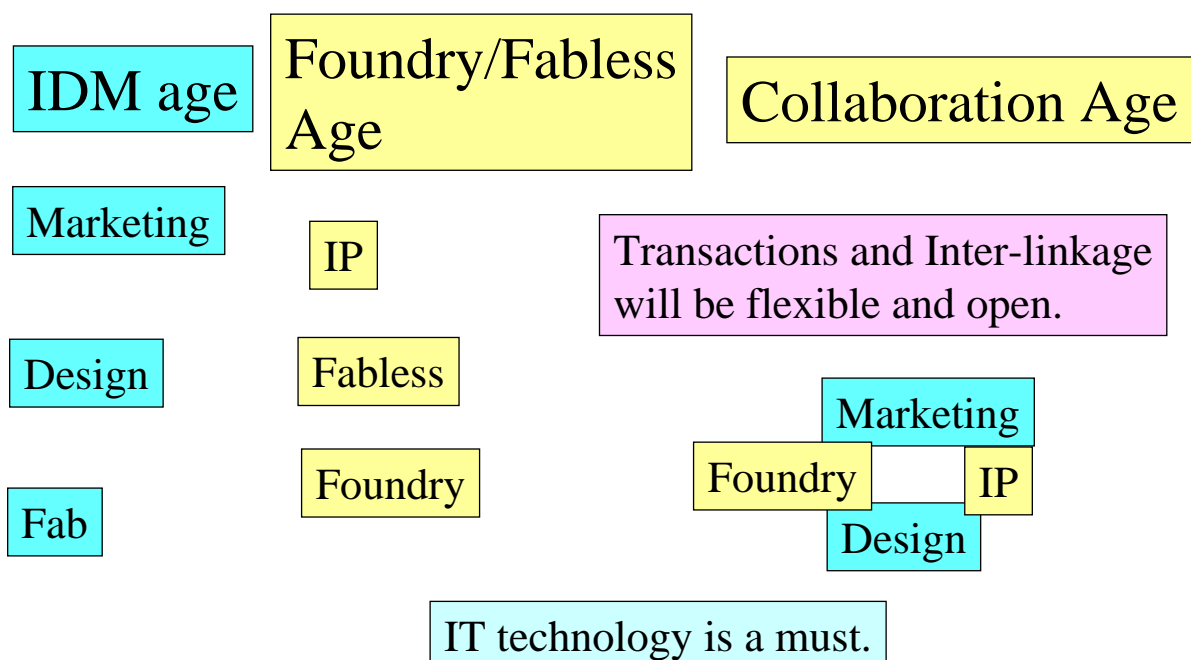
Expert

VLSI Manufacturing Engineering Division

NEC Electron Devices

NEC Corporation

Semiconductor Industry Business Model Changing



e-Manufacturing Positions

e-Business

e-Manufacturing

product and pre-product's e-commerce
chip buyers support
spare parts logistics etc

Equipment Engineering

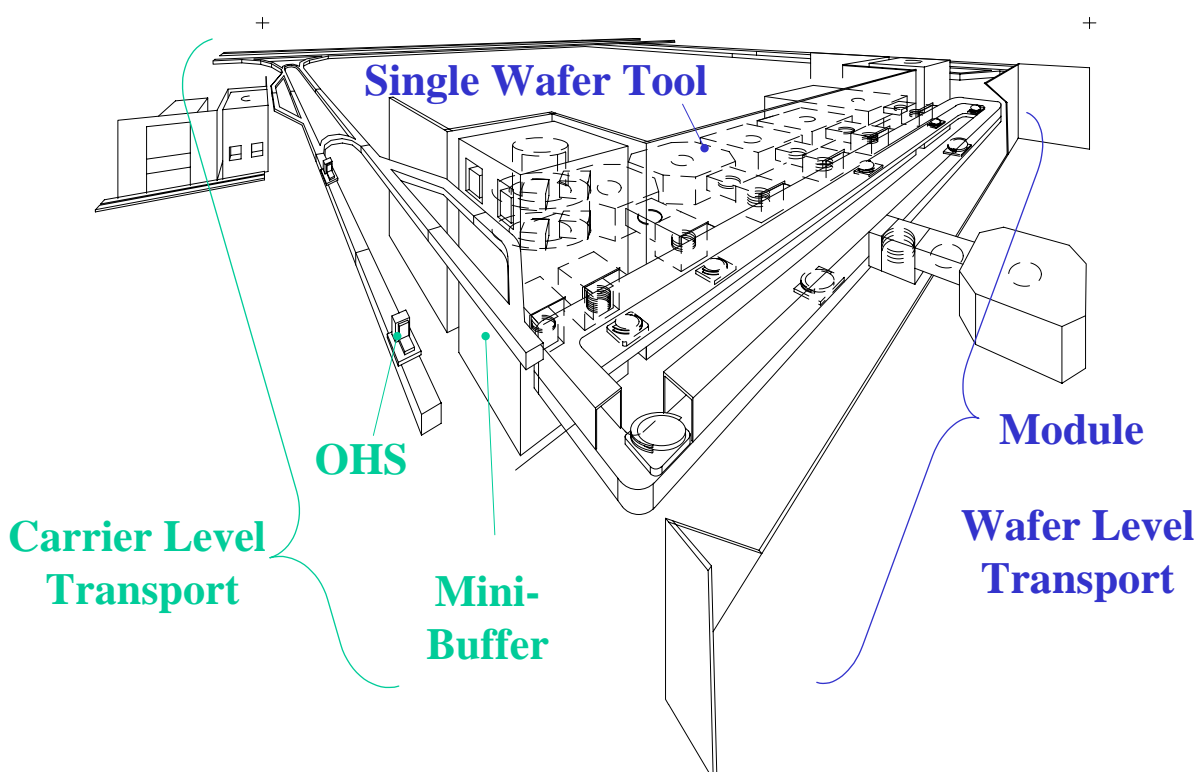
Real time control(APC/AEC)

M-to-M difference management

Maintenance scheduling etc

e-Diagnostics

Single Wafer Level Control



Future system

Module process control

Single wafer control

APC/FDC

Integrated metrology

RMS

Equipment Engineering

Automated process control

Real-time dispatch

Automated material handling

