



## Enterprise Resource Planning

- Long-term planning

Planner

Layer 5

## Manufacturing Execution Control

- Plan execution and resource configuration (SC)

- Plan enforcement (BEC)

SC

BEC

Layer 4

## Supervisory Process Control

- BE workload execution optimization (LCT)

- Sensing (LCT, TAL)

LCT

TAL

Layer 3

## Process Support

- Basic workload execution support (RTEs, OSSs, RTOSs)

OS

RTE

RTOS

Layer 2

## Production Line

- Resources (processing, shared)

- Mixed-critical workload (SC, BE)

Layer 1

Workload

BE

BE

SC

Resources

