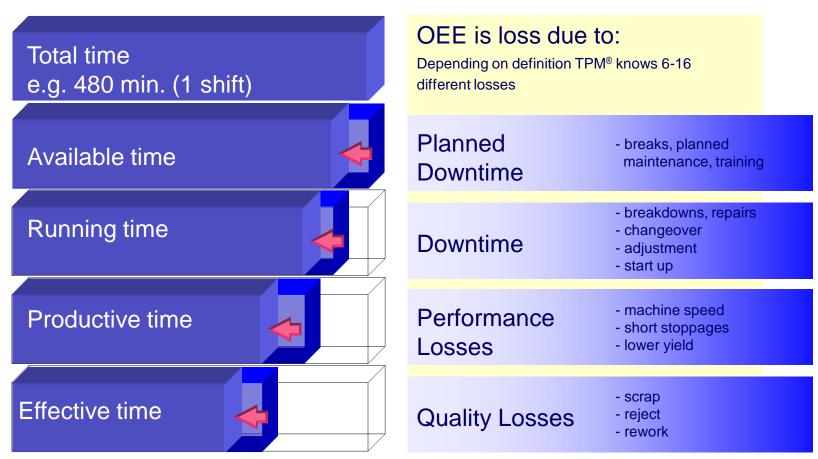
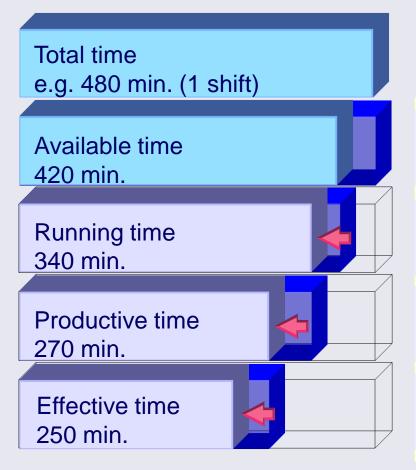
Overall Equipment Effectiveness (OEE)

Sistem Perawatan

OEE **Definition** OEE Making OEÉ Calculation part of Visual OEE **Management Overall Equipment Effectiveness** How can i Why is a high OEE influence important for the the OEE? department?

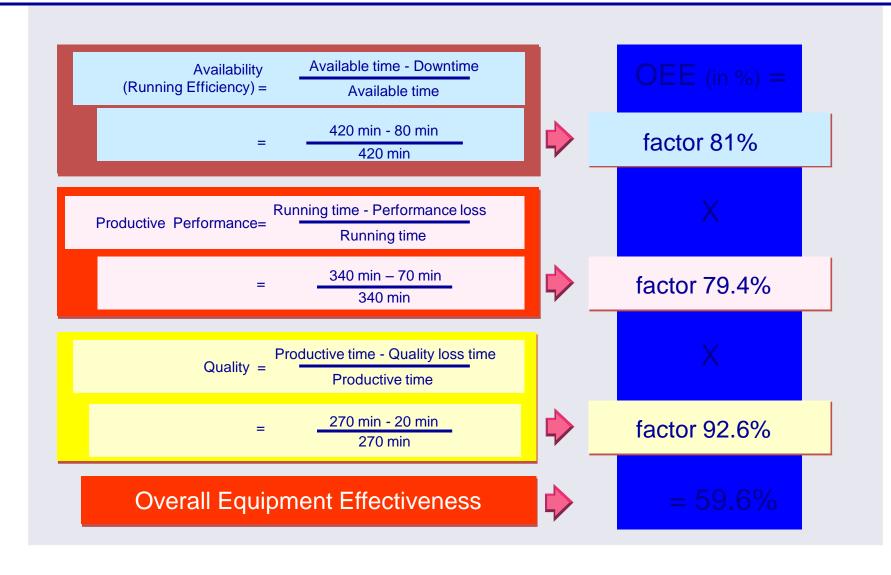
OEE is the way to measure how effectively machine / equipment hours are used (Value Adding)

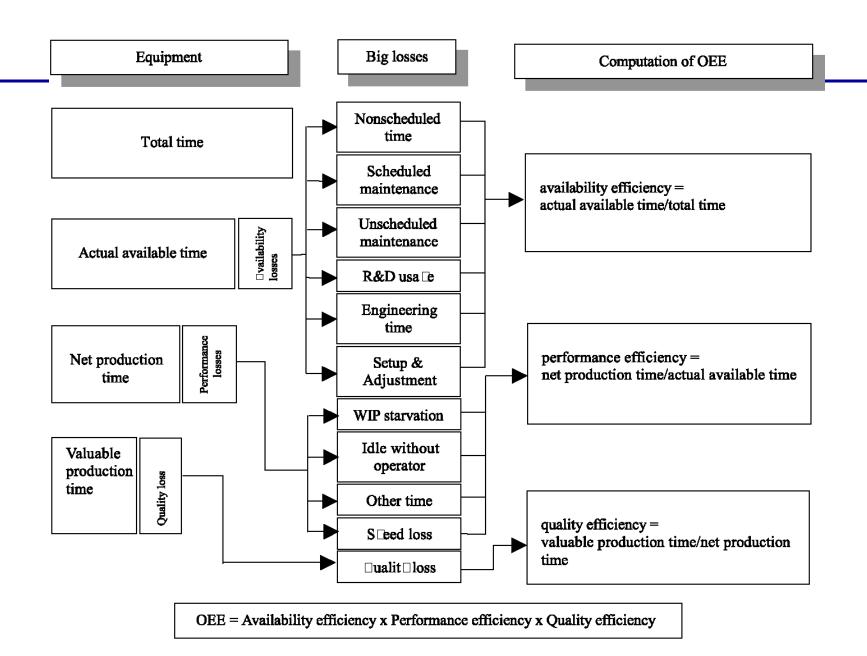


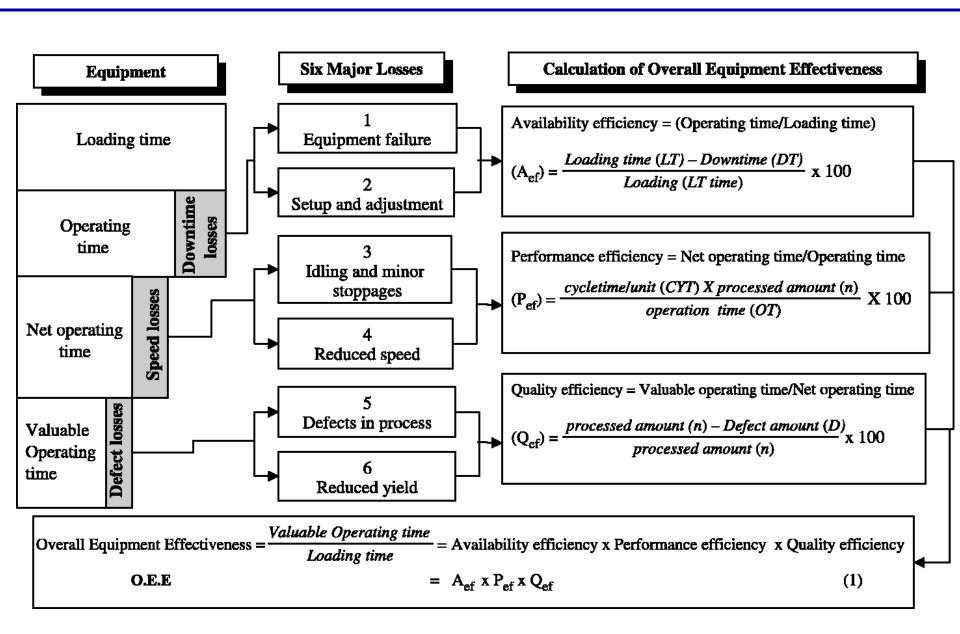


Planned - breaks, planned maintenance, training **Downtime** - breakdowns, repairs - changeover Downtime - adjustment - start up - long cycle time Performance - minor stoppages Losses - reduced yield - scrap **Quality Losses** - rework - rejects

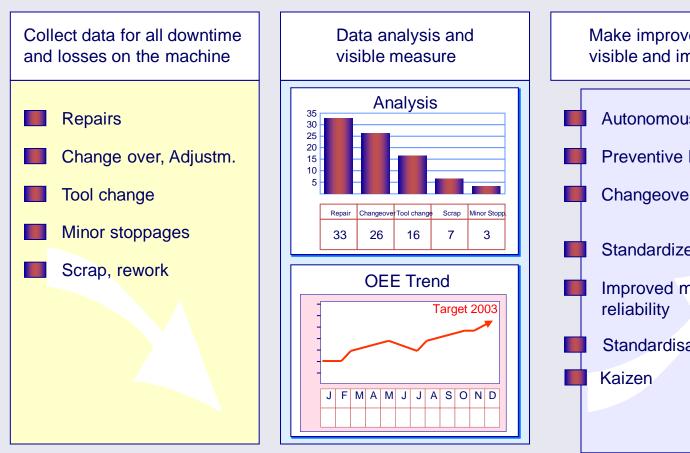
Total losses = 170 min / shift







Data collection is the very important basis to increase OEE



Make improvements visible and implement

Autonomous Mainten.

Preventive Maintenance

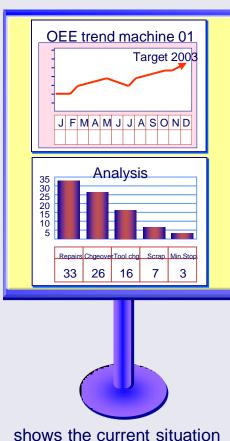
Changeover reduction

Standardize tooling

Improved machine

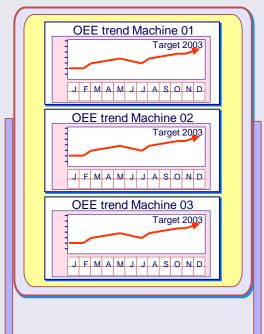
Standardisation

Machine Information

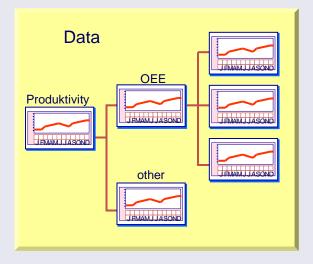


of the machine or plant

Departement Information



Company Information



shows the machine in the area

shows developement, trends and links beween targets and achievements

