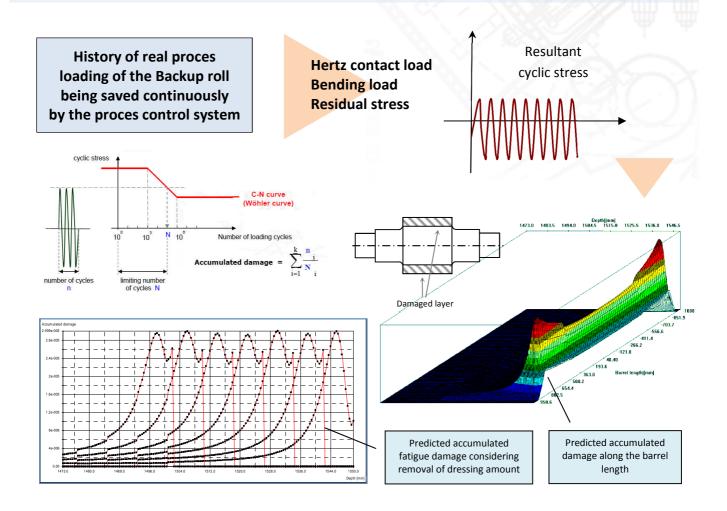
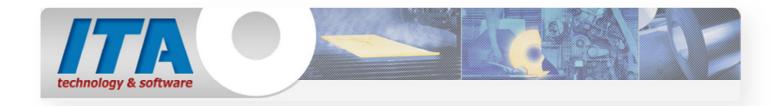


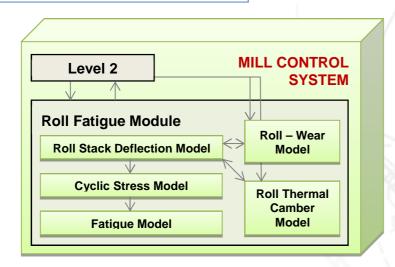
Optimization of the Length of Backup Rolls Campaign

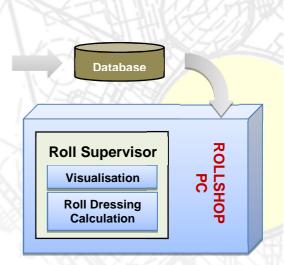
■ Roll Supervisor — software module for on-line monitoring of residual fatigue life of backup rolls and prediction of a depth of dressing.

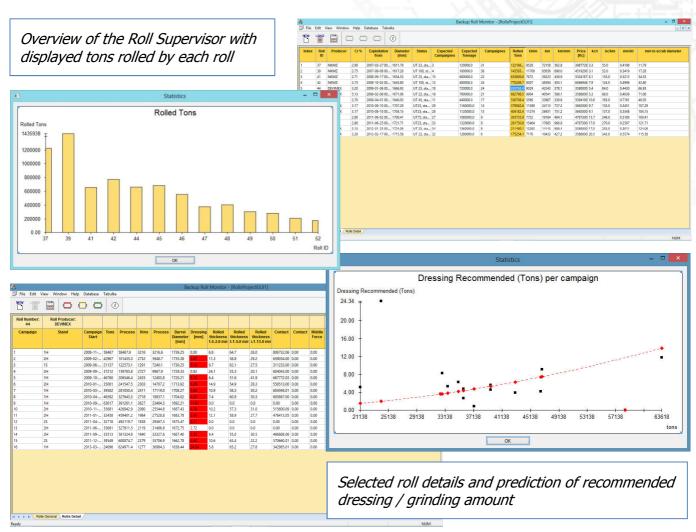




Basic scheme of the Roll Supervisor









The Roll Supervisor Benefits:

- Optimization of the length of the backup roll campaign
 Monitoring of damage accumulated in the surface layer of backup roll can prolong its campaign.
 Expensive back up rolls can be exploited longer than scheduled. Sometimes the campaign can be shortened to avoid unexpected total damage of rolls when they are overloaded.
- Controlled backup roll grinding
 Estimation of the up to date depth of damaged layer enables to grind away only the necessary layer so the backup roll process life can be prolonged!
 - RollFlex off-line roll stack deflection analysis coupled with the module for prediction of fatigue damage of backup rolls.

