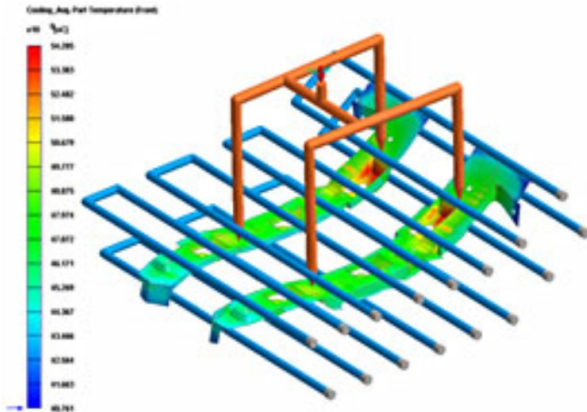


# Manufacturing engineering



- Design

## **Ergonomic evaluation**

The objective of an ergonomic simulation is to reproduce human operations in a virtual environment and perform an ergonomic evaluation of these operations, (DELMIA Ergonomics):

- Impartial ergonomic evaluation of movements and worker postures
- RULA (Rapid Upper Limb Assessment)
- Carry / Lift-Lower / Push-Pull
- Accessibility envelope
- Worker's eye view

## **Process flow simulation**

The recreation of an assembly line working flow or production cell allows us to better understand process needs by anticipating and validating the behavior of an operation plant under a specific condition by:

- Defining productivity and bottle necks
- Analyzing the impact of the product mix on productivity
- Defining maximum capacity and idleness
- Analyzing the impact of failures and non-conformities on the production system.