Human Factors Engineering

A two-day course for engineers and automation experts.

Starting points:
- Humans are not perfect, but fallible. To improve operational excellence and safety is to work with these fallibilities, not deny them.
- Human error is a consequence of flawed organizing rather than a major cause of incidents and accidents.
  If you know that in certain circumstances errors can happen, you have to change the circumstances or add defences.

Course objective: Do it by design !
- When engineers understand why human errors occur in the workplace, they can prevent these errors from happening by a better design of the workplace.
  HFE is about the design of processes and equipment according to the needs of its users, where their abilities, restraints and workspace are taken into account.
  One of the points of interest is to pursuit positive results even when the conditions aren't ideal. The result will be a better quality, better performances and better safety.
- When engineers understand why workers are violating rules, they can improve the compliance by a better design of the workplace.

After the training the participants
- have a basic knowledge about Human Factors Engineering, based on the newest insights; they will be motivated to check their knowledge continuously and not trust their present level of knowledge;
- know where they can find in an efficient way more detailed knowledge, needed for an optimal design of machinery, automation, working methods.
- will consult human reliability specialists within the company in an early stage.