



Impact of the Human Machine Interface in a Production Environment

13th Annual EMS Summit, Berlin

11/28/2017 - Josef Kriegmair



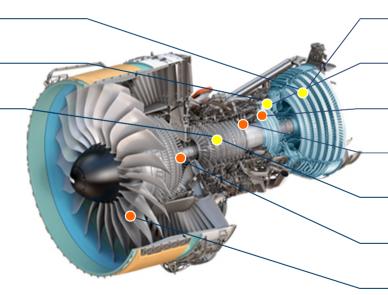
MTU competency

Development/Production

Low-pressure turbine

Turbine center frame

High-pressure compressor



Maintenance

Low-pressure turbine

Turbine center frame

High-pressure turbine

Combustion chamber

High-pressure compressor

Low-pressure compressor

Fan

MTU components



Human Machine Interface (HMI)

Does it matter?

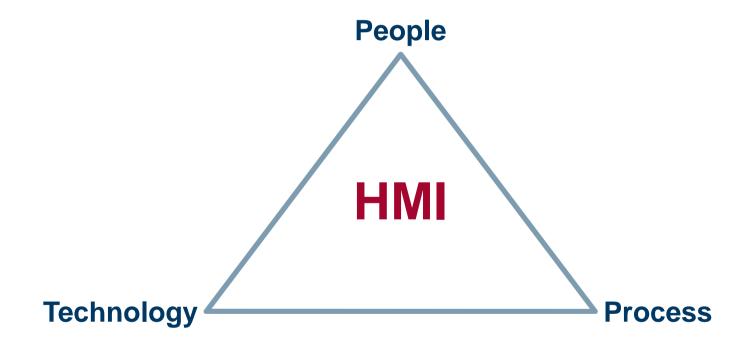


Human Machine Interface (HMI)

It does matter



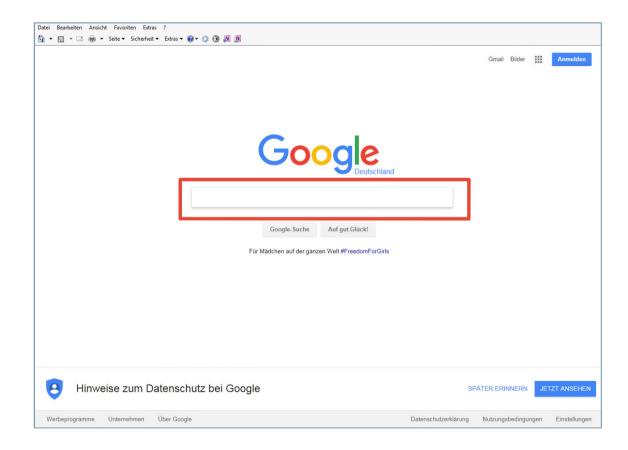
Smart Factory





Outstanding User Experience (UX)





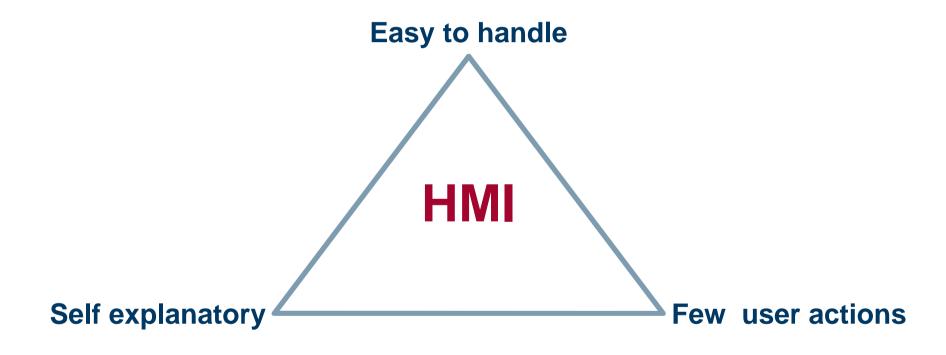


Task

Delight Users

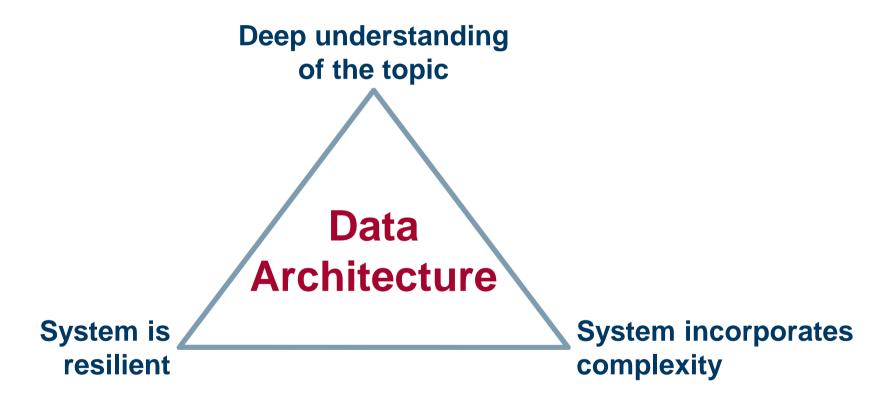


Delight Users





Key Success Factors





Data Architecture, the bricks of tomorrow's project execution.

Pedro Travares

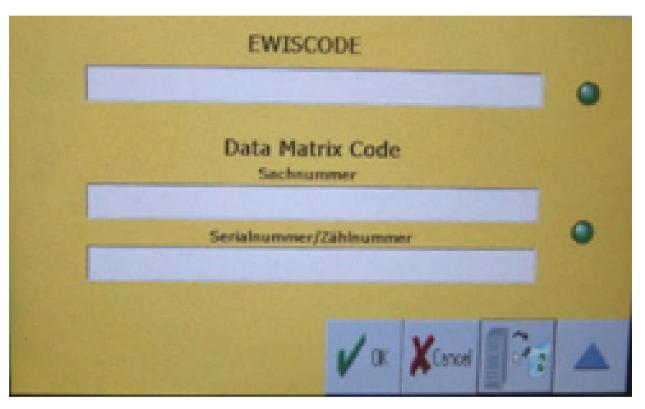


Smarts Things Need a Unique Identity (UID) in the Data Architecture

UID = TYPE + INDIVIDUAL



System Example: Start – Yellow Background



CHIP: UID for the system

TYPE: 2D Matrix

Touchscreen

Keyboard + mouse

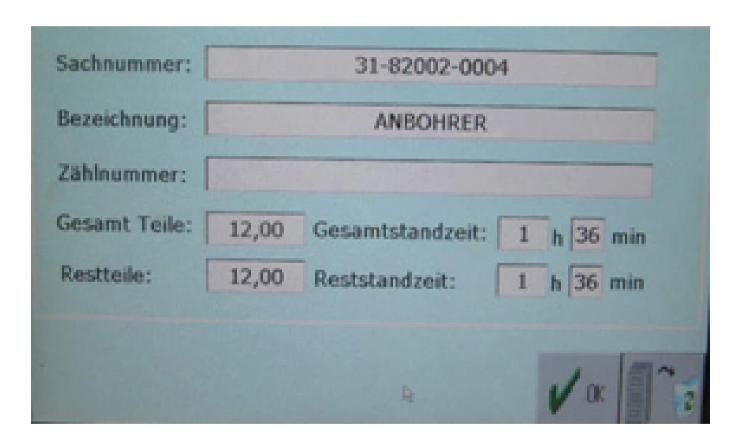
IND.: 2D Matrix

Touchscreen

Keyboard + mouse



System Example: Manual Check – Blue Background



Touchscreen Keyboard + mouse



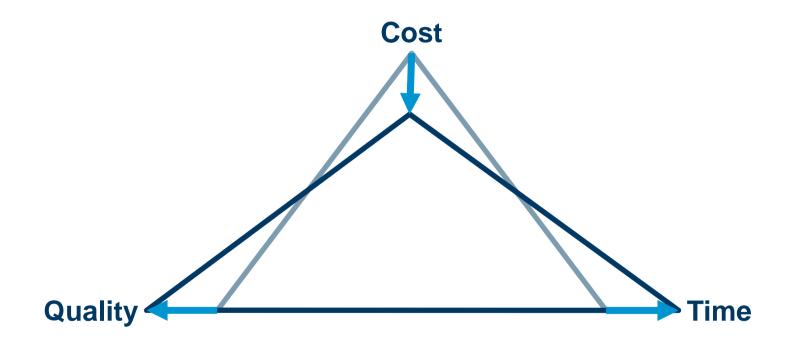
System Example: Manual Check – Red Background



Touchscreen Keyboard + mouse



Outstanding User Experience Provides Benefits





Human Machine Interface An underestimated lever to increase productivity



The value of technology is not what you have, but how you use it.



Ingeniously simple is beautiful



Q&A





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