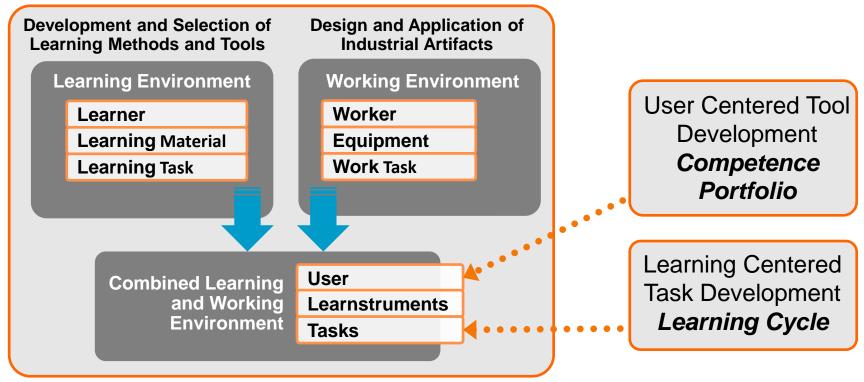
C5 Unique contribution to sustainable manufacturing

Goal: Increase in Teaching and Learning Productivity for Sustainable Manufacturing through application of Learnstruments

Learnstrument Development in Design for Mediation Approach

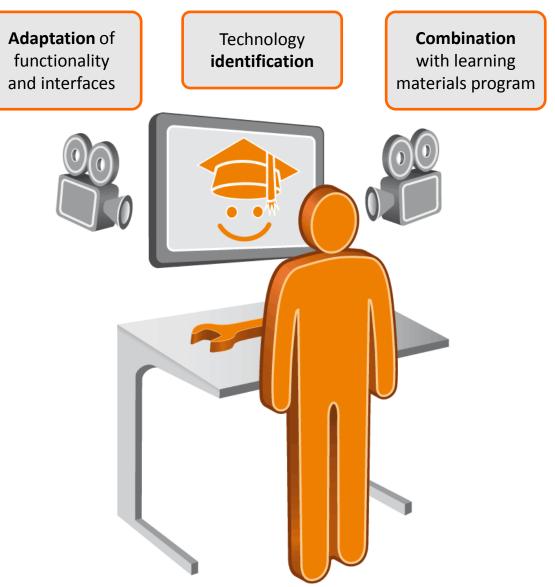


 Approach: Learning and user centered design in combined learning and working environment



C5 Learnstruments

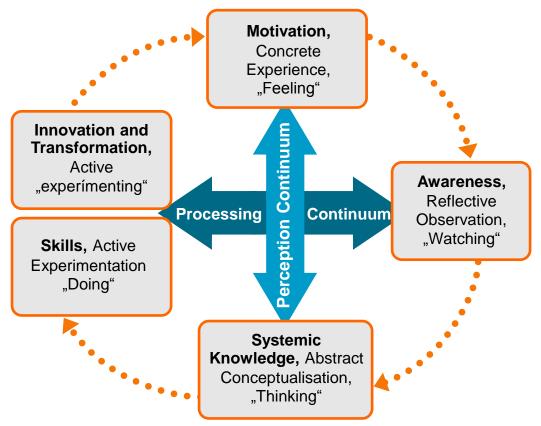
Learnstruments are objects which automatically demonstrate their functionality to the learner. They consist of aspects of cognitive stimulation and emotional association with new and existing ICT and design approaches for productive mediation.





C5 Learning Cycle / Portfolio Strategy

Learning Centered Task Development Learning Cycle

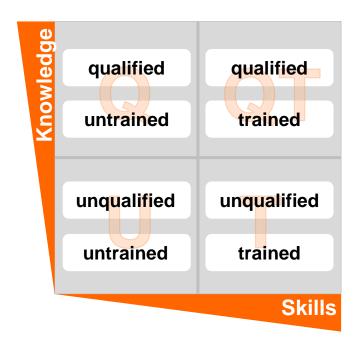


Cycle Strategy

Learnstruments cover all aspects of the perception and processing continua for highest teaching productivity



User Centered Tool Development Competence Portfolio



Portfolio Strategy:

Increase error tolerance for untrained and unqualified users