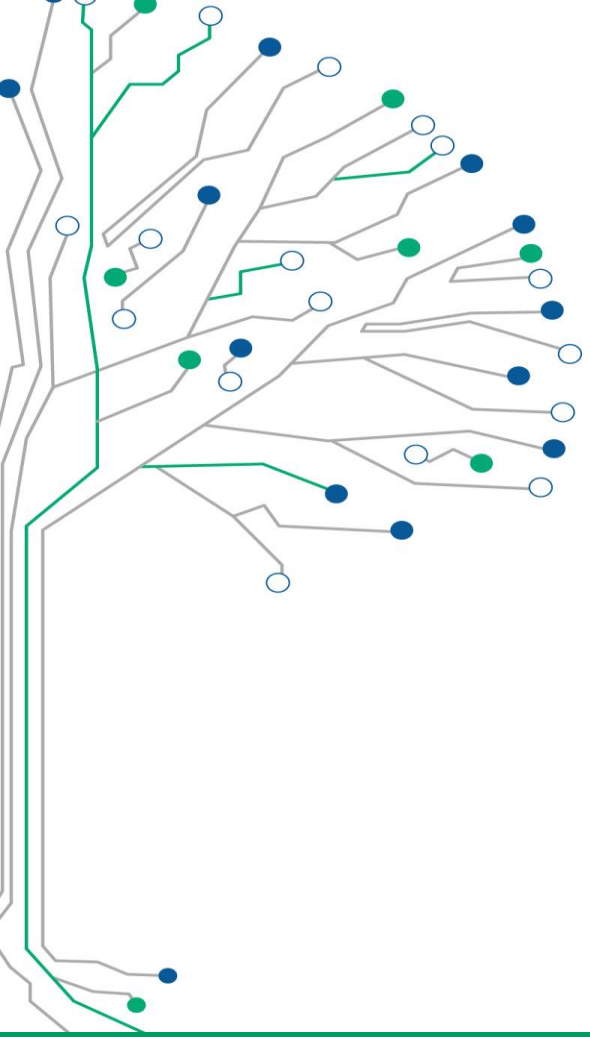


ANIE AUTOMAZIONE

ANIE FEDERAZIONE

CONFINDUSTRIA

Prototipazione e Virtualizzazione

Massimiliano Spano / *Leonardo Cipollini*

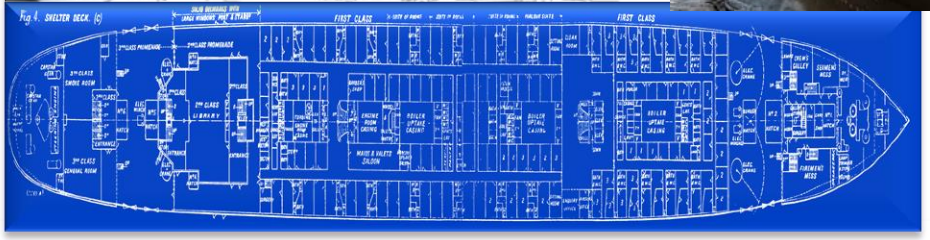
Rockwell Automation

SIEMENS

Progettazione Tradizionale

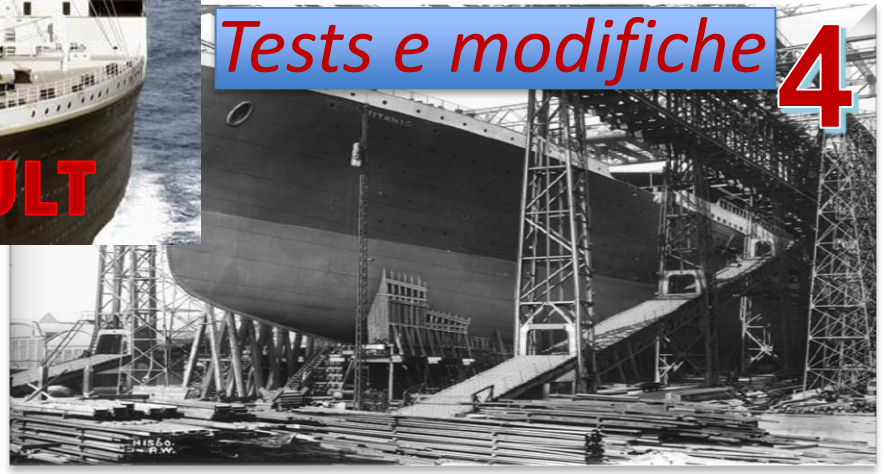
1 *Progettazione meccanica*

2 *Progettazione ele*



Creazione prototipo 3

Tests e modifiche 4



ANIE AUTOMAZIONE

1-2

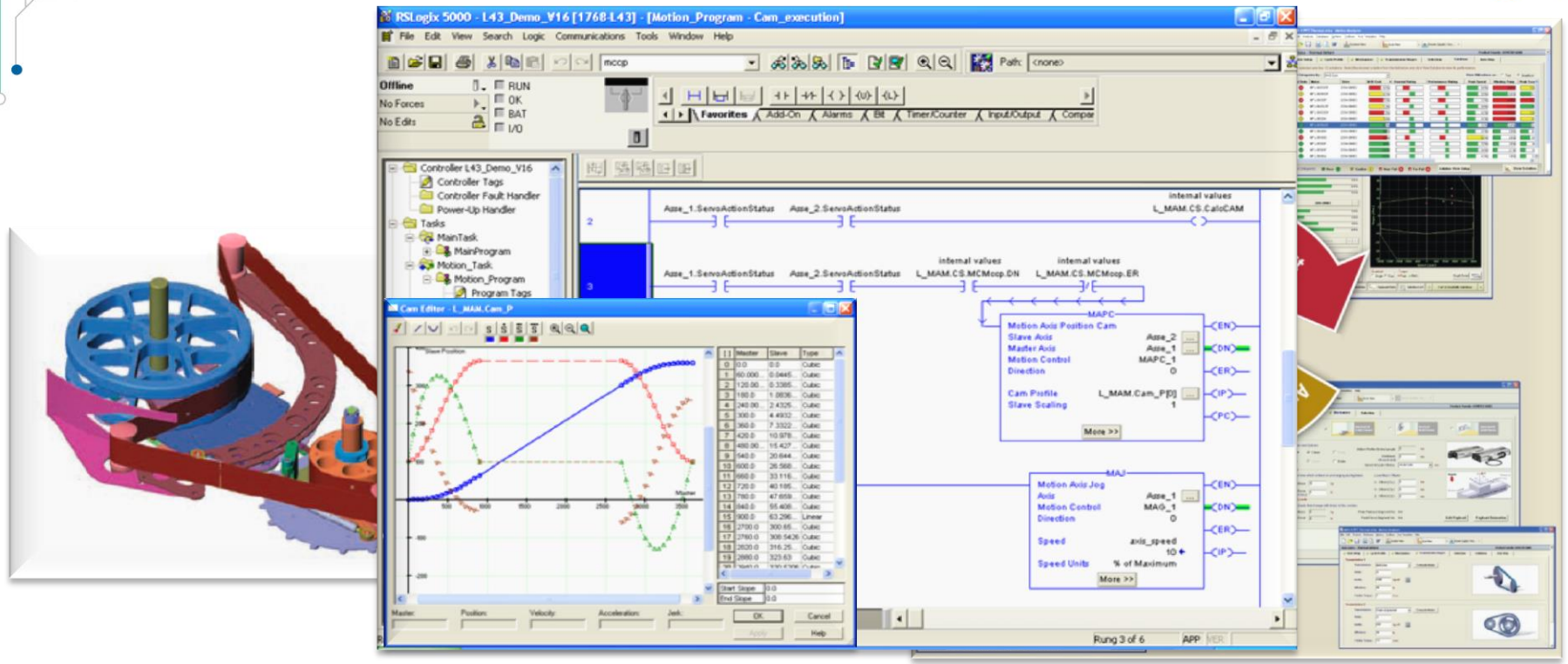
3-4

Approcci

st virtuale

Modello virtuale = Risultato

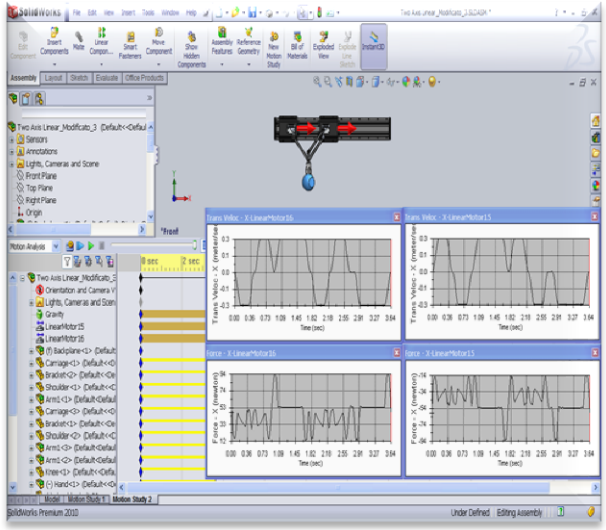
Progettazione Integrata



Analisi, Progettazione, Simulazione e Ottimizzazione sono le parole chiave!

Sviluppo congruo ed efficacie

CAD Meccanico

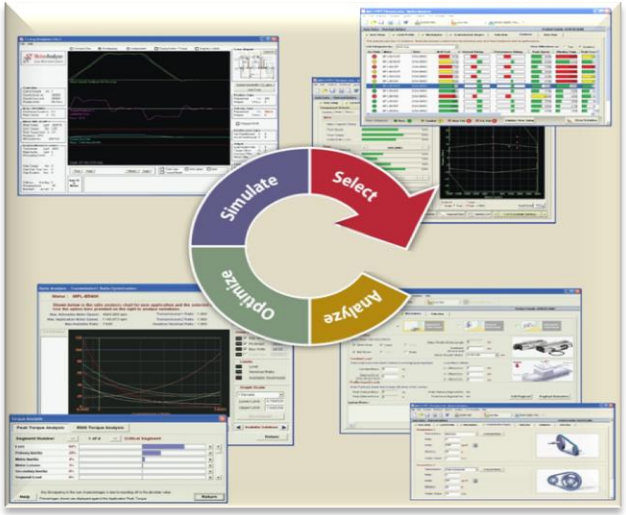


Progettazione

Motion Analisys

Plot diagrammi di forza

Tool di Simulazione



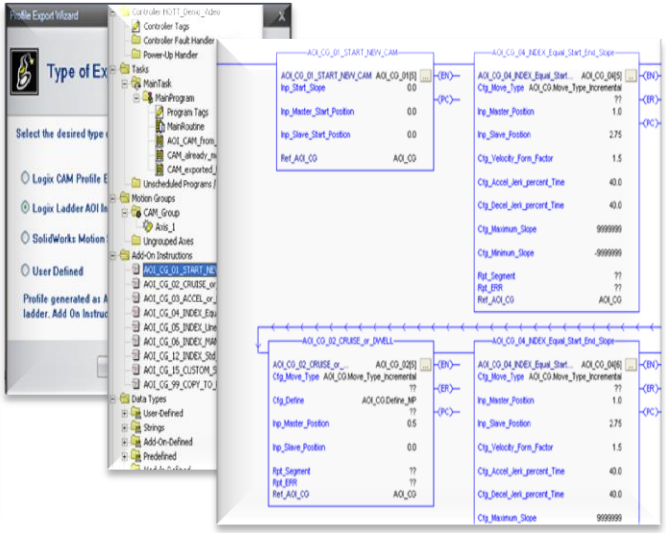
Analisi

Simulazione

Ottimizzazione

Selezione

PLC

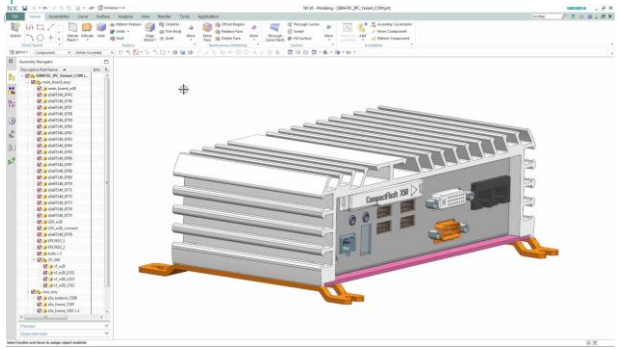


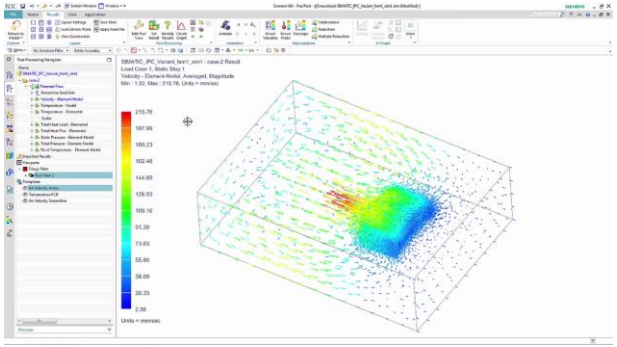
Esportazione / Importazione

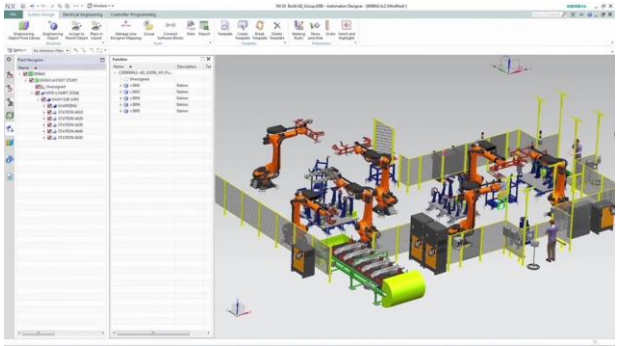
AOI Instruction

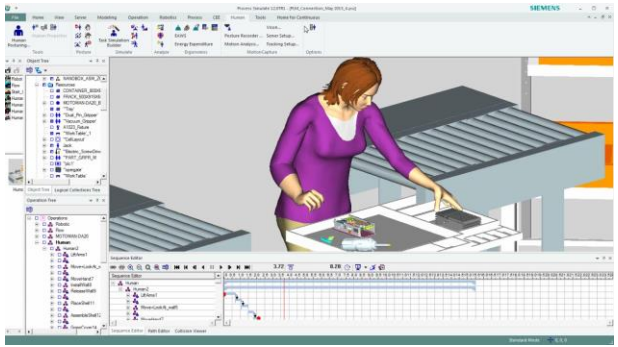
CAM Profile

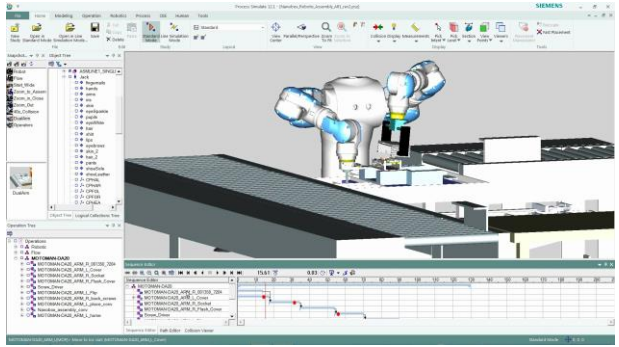
Digital Twin del prodotto e del processo in ogni fase del ciclo di vita



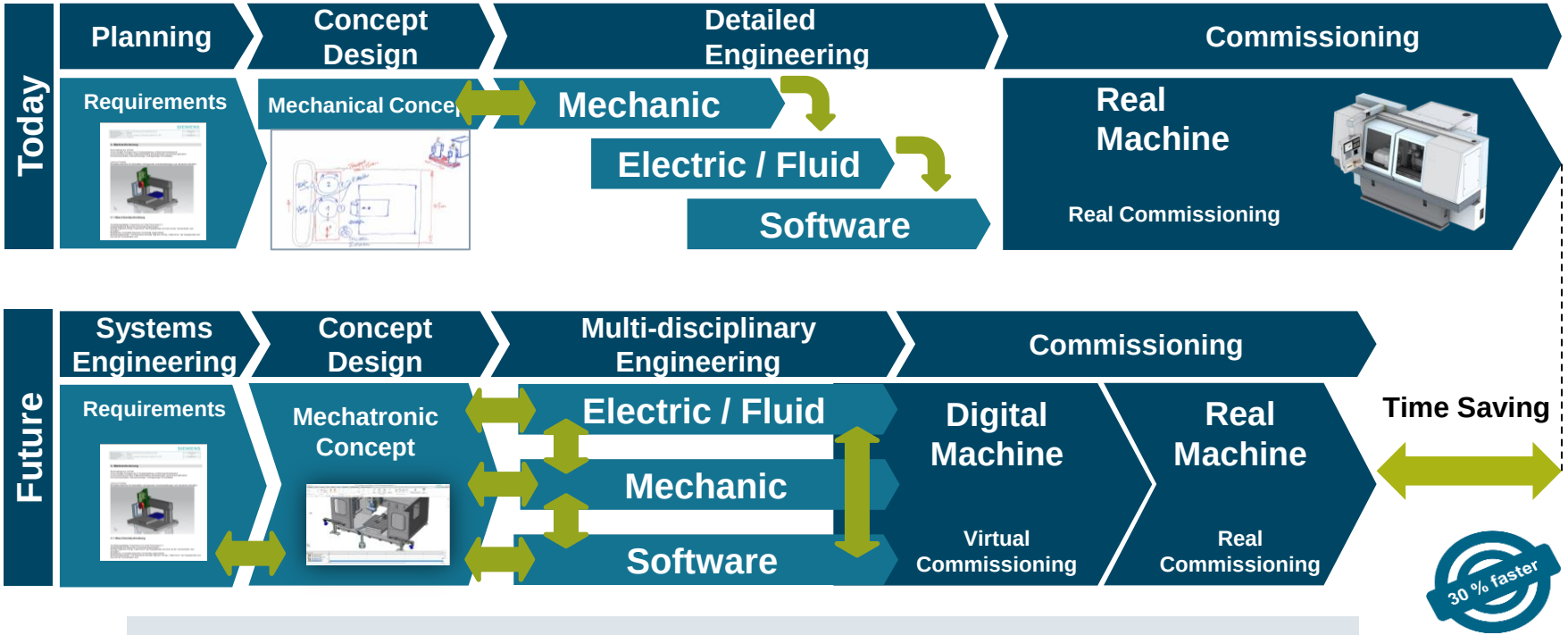








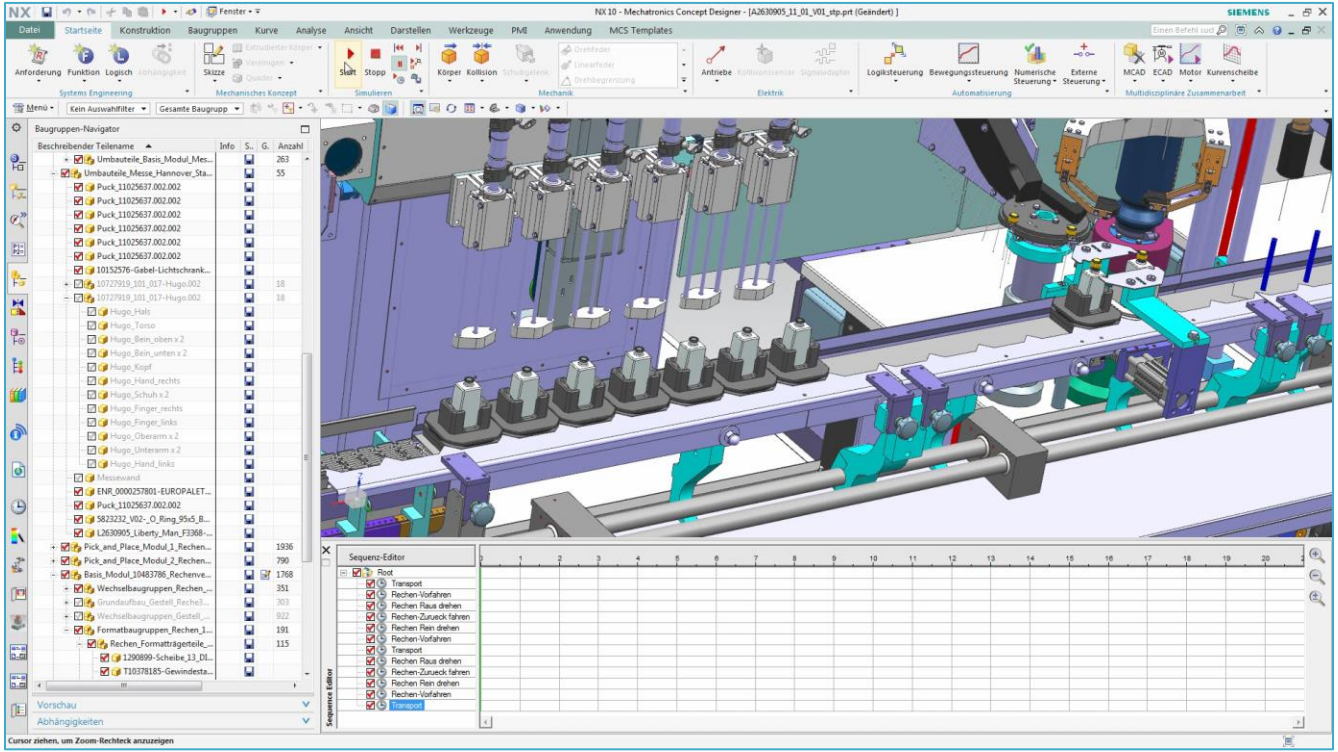
Advanced Machine Engineering



Riduzione dei tempi dal concept della macchina al suo delivery

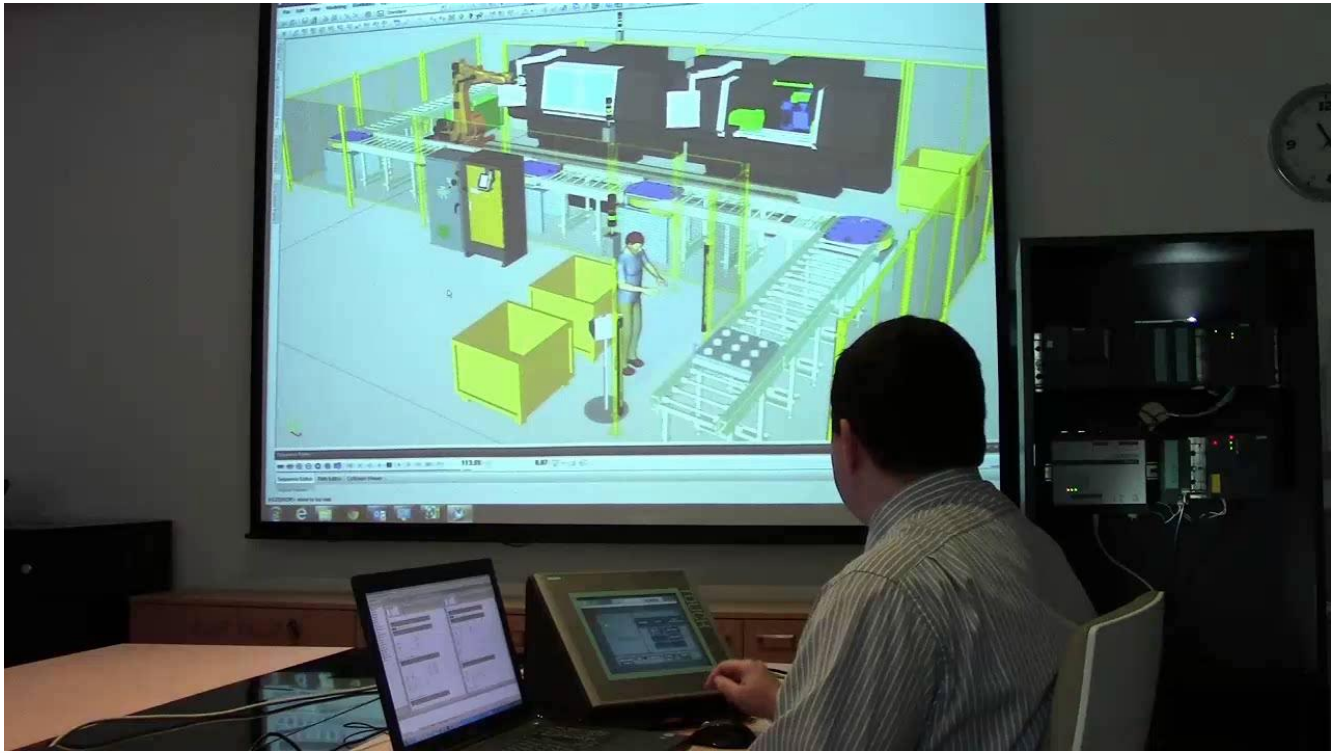
Mechatronic Design

Integrated mechatronic design and concept validation

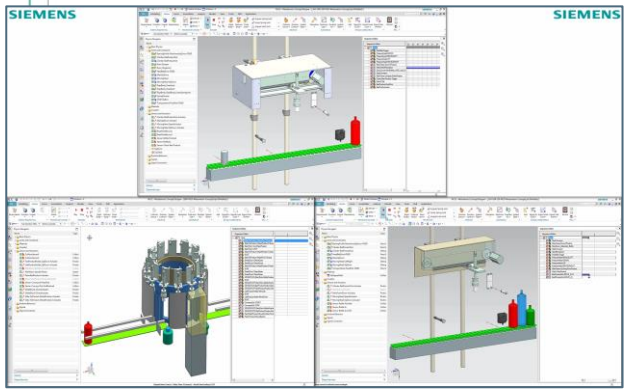


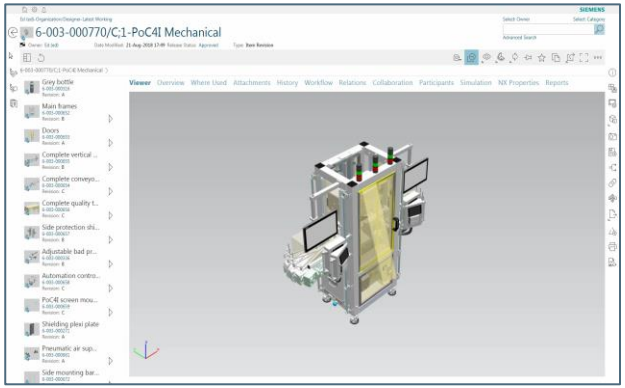
Virtual commissioning

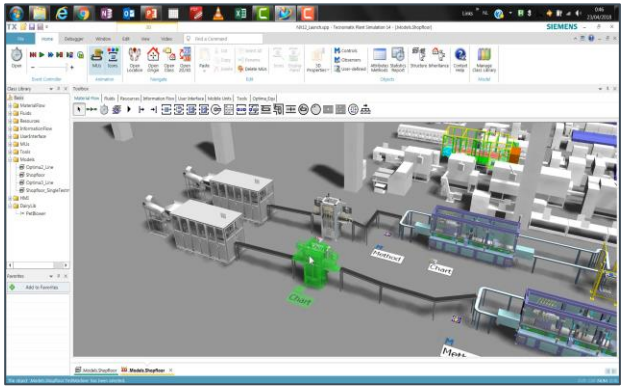
Seamless connection of the digital model to the real world

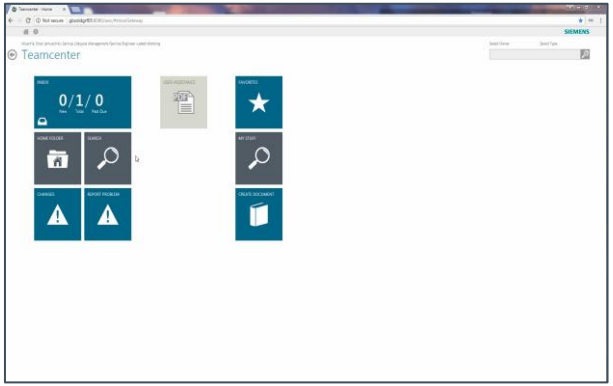


Utilizzo del Digital Twin nella progettazione di macchine









Benefici e vantaggi competitivi

Criticità di realizzazione della macchina annullate

Maggior potere innovativo
(verifica e validazione senza rischi)

Tempi di messa in funzione-test ridotti

Time To Market ridotti

Risparmio economico e ottimizzazione delle risorse

Sfruttando le potenzialità di queste tecnologie è possibile fare un significativo passo in avanti nelle performance produttive

MECHATRONICS: THE FUTURE IS TODAY