

FH OÖ CAMPUS STEYR

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24.4.2025

Research Flashlight 2025



Data Analytics for
Production

Production
Planning and
Control

XR
for Production

Data-Driven
Business Model
Innovation

Quality
Maintenance
Forecasting
Visualization
Optimization

Simulation
Optimization
Scheduling
Energy usage

Training
Assistance
Collaboration
Visualization

Data-Driven Value
Incumbents
Ecosystems
Sustainability
Process model

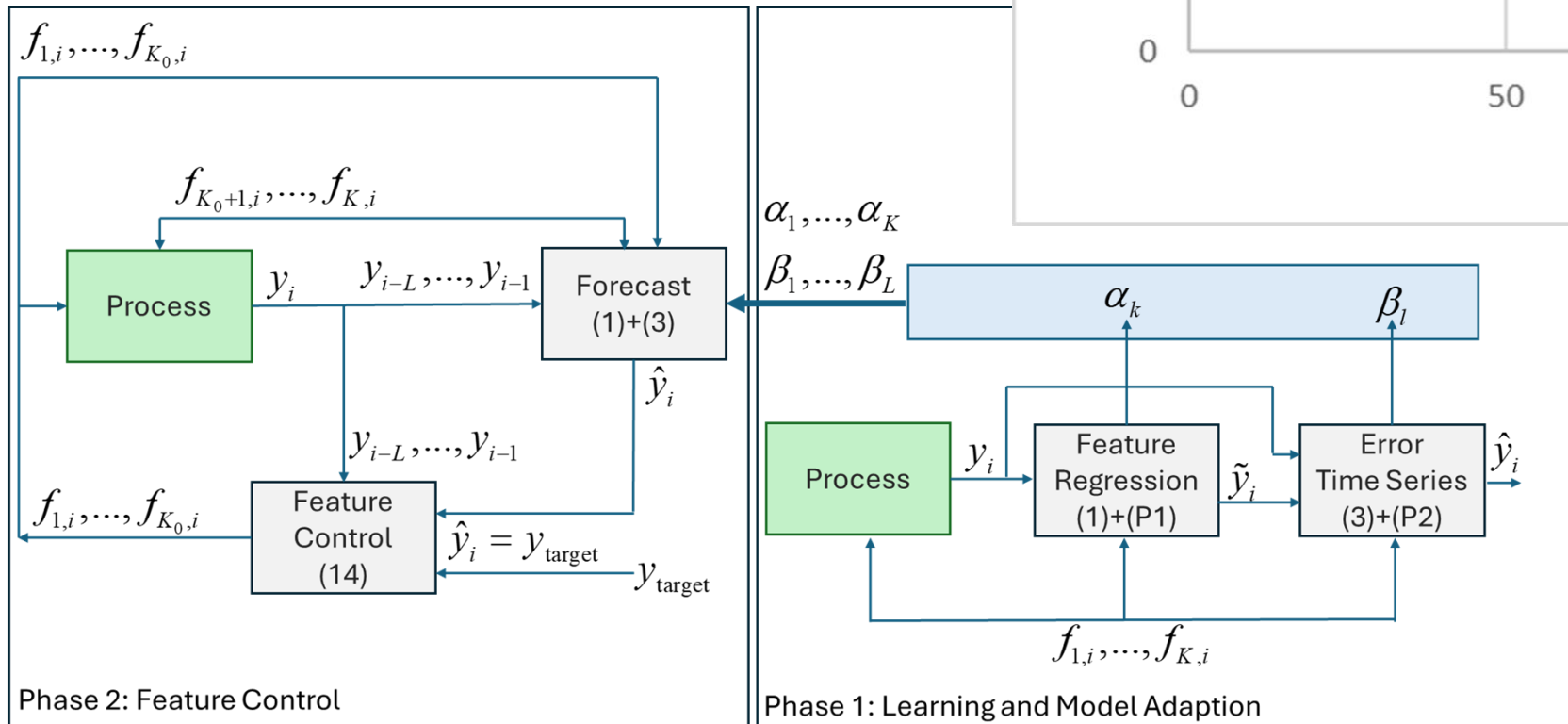
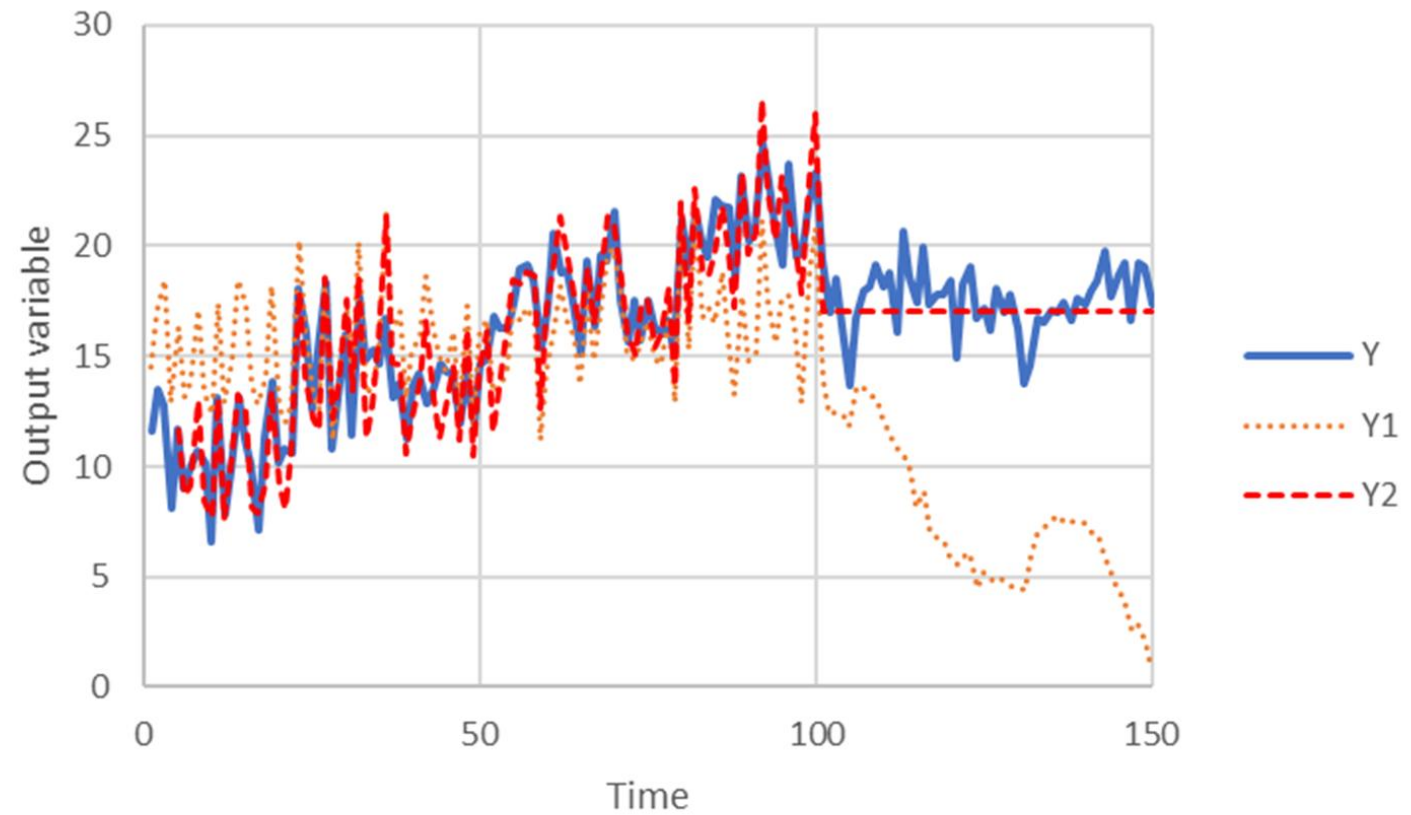
Industrial Projects (about 5 Mio. €/year)

Publications (about 80/year)

Student Projects, internships, and thesis (100/year)

Impact on Teaching

Model-based predictive control

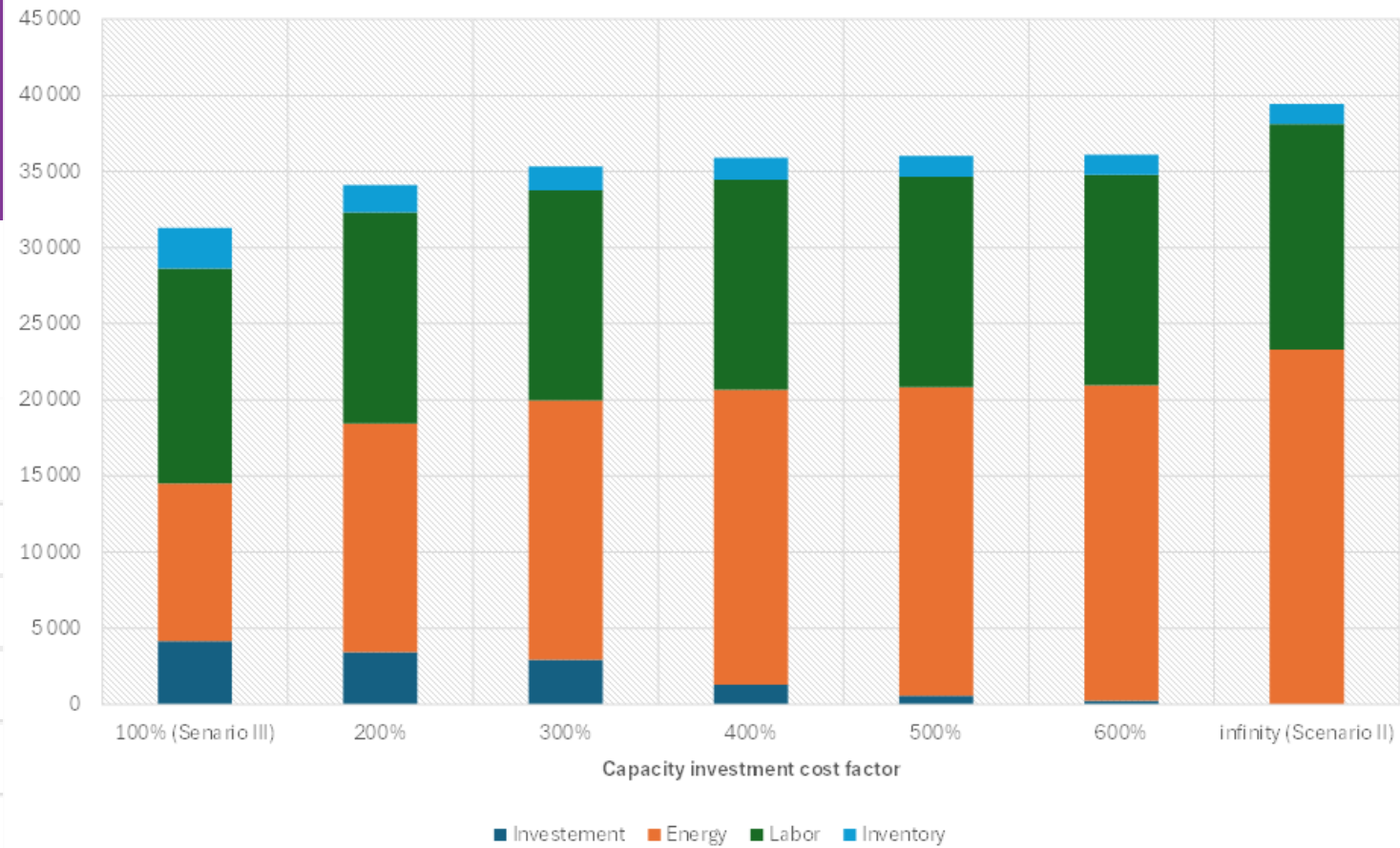


Trade-off between energy, inventory, labor cost and investment

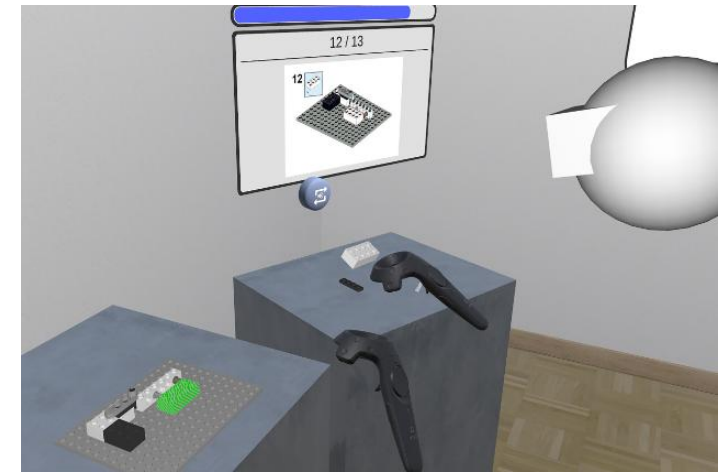
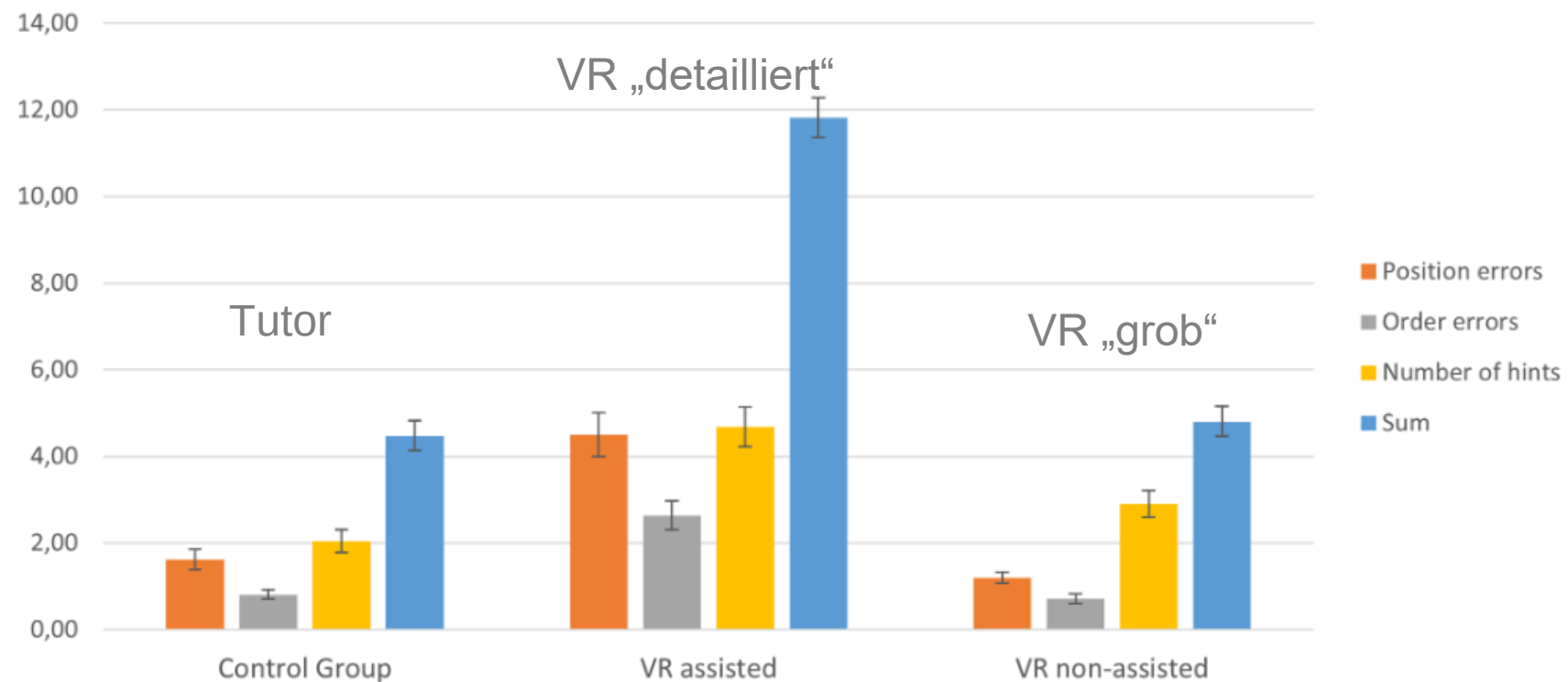
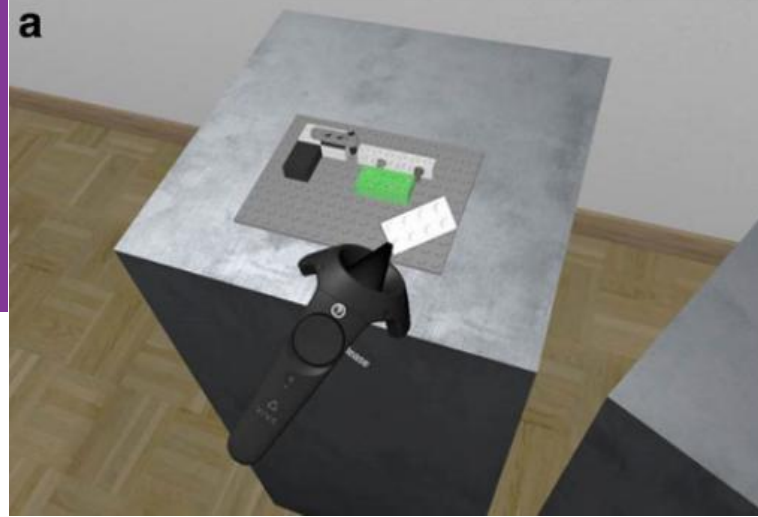
Summer Season (08. - 15. July)



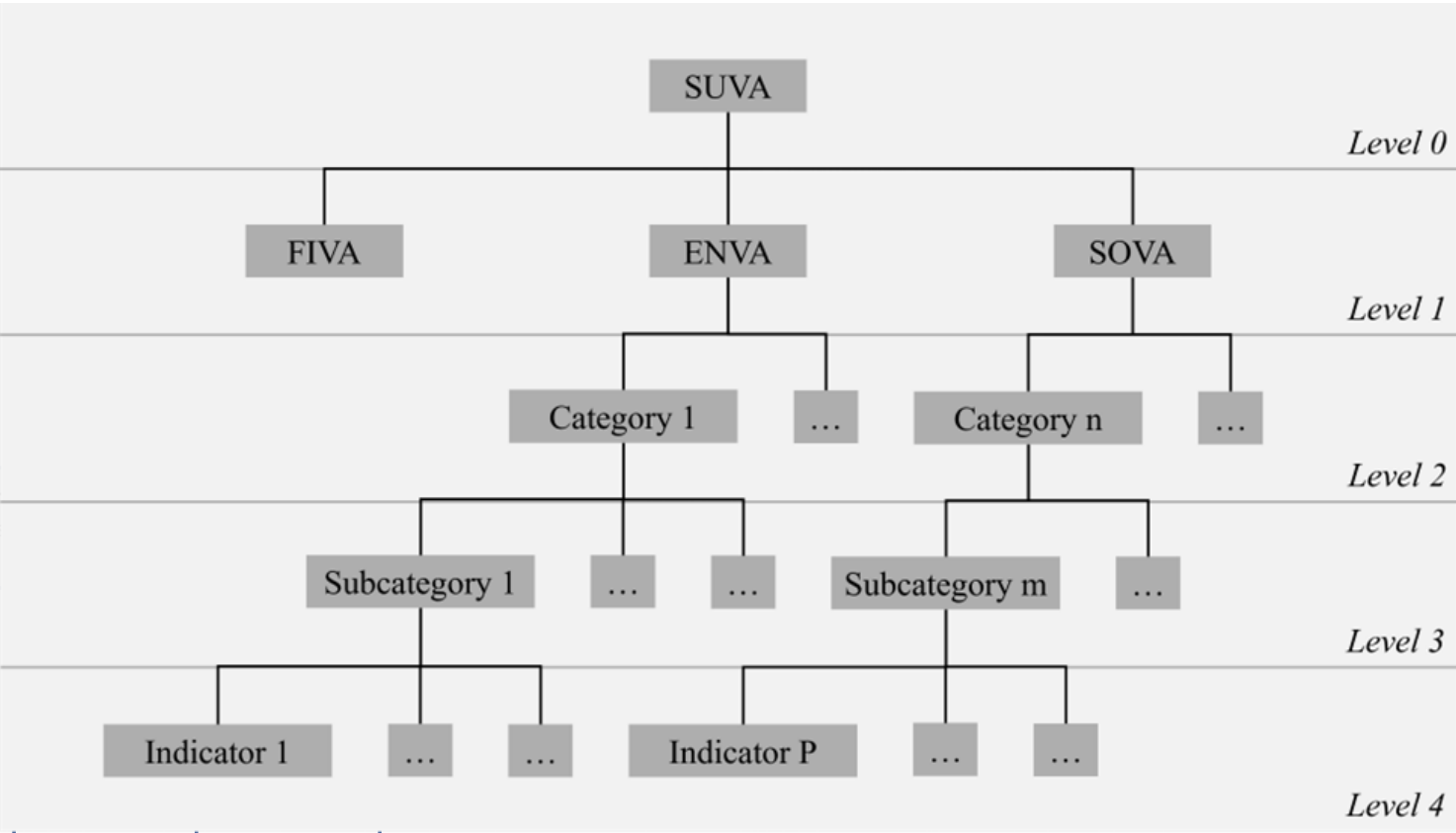
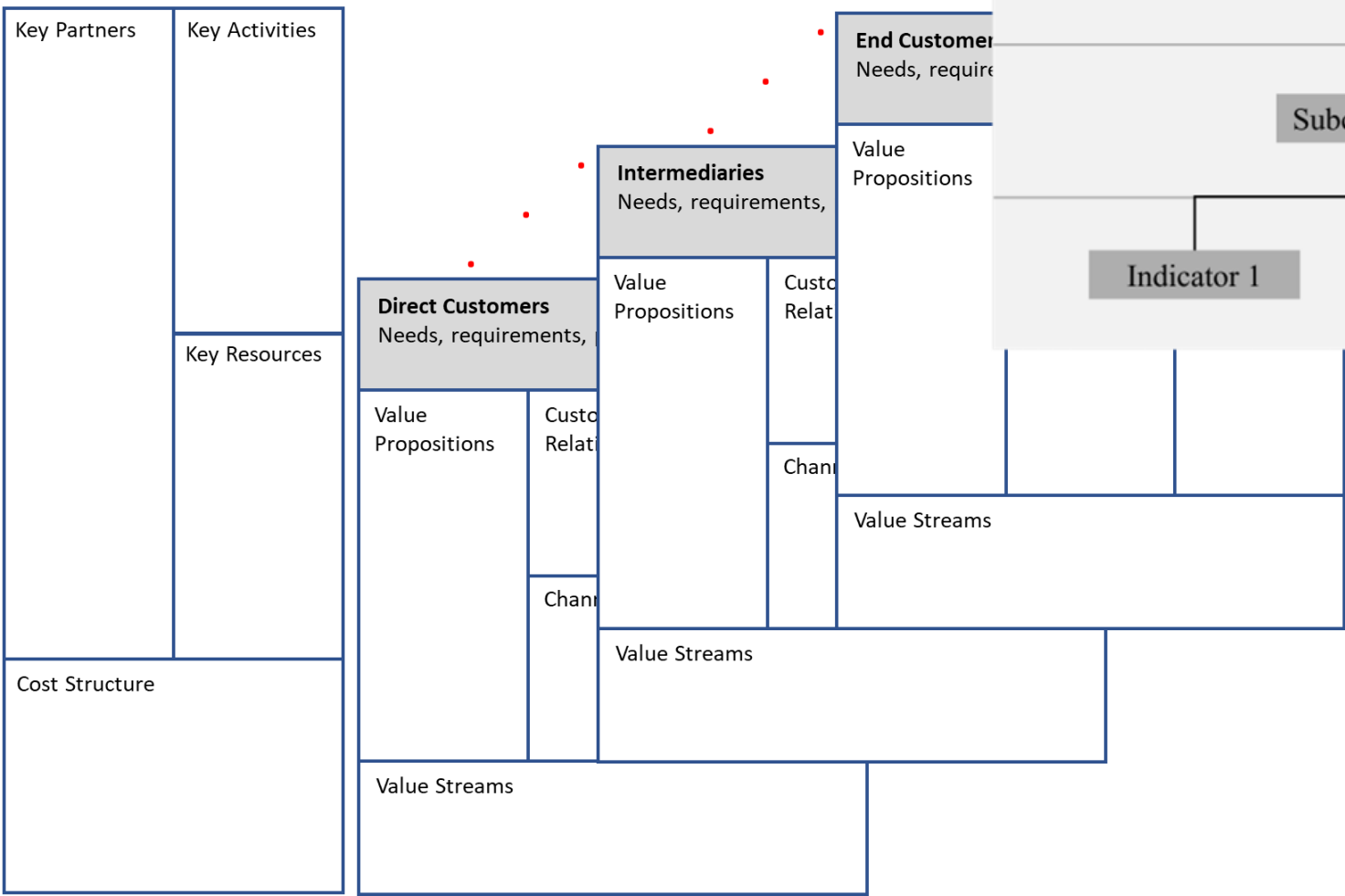
Cost comparison sensitivity analysis



Use of Virtual Reality for industrial training

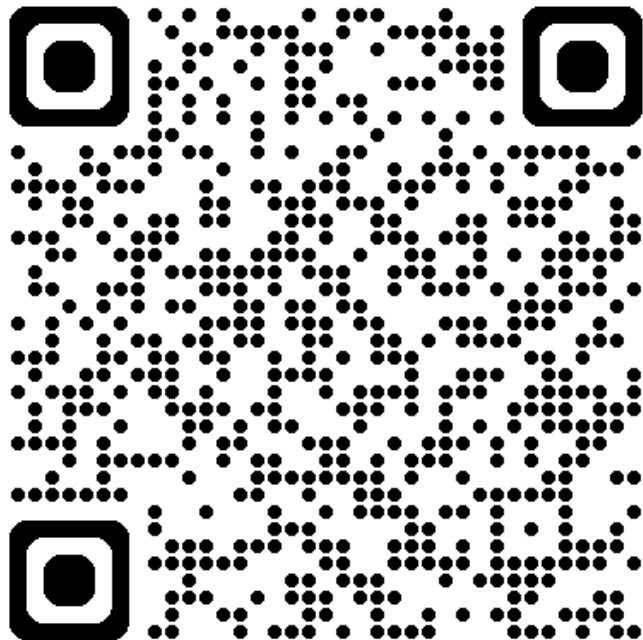


Extended CANVAS (market-driven and sustainable)



SPMT & OMT

Neue Chancen nutzen
SPMT und OMT studieren
VZ und BB



Drinks&Opportunities 17.10.2025



Podcast SPMT und OMT

Erfolgsschmiede

Warum



Research Flashlight 2025

**Thank you
for your attention**



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