2nd European Forum on New Technologies DIGITALISATION IN CHEMICAL ENGINEERING

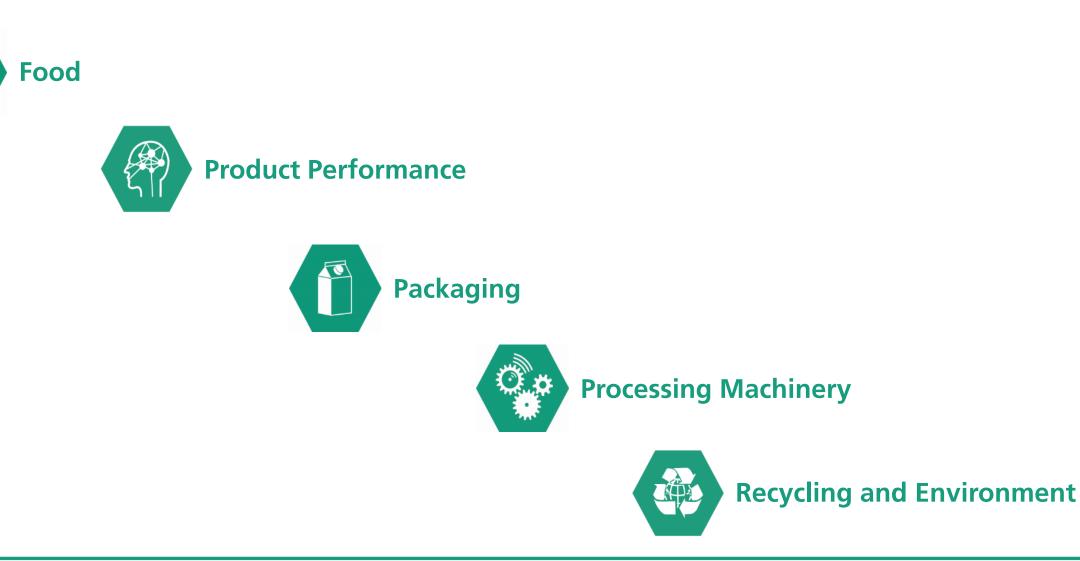
A View from the Food Industry

Sebastian Carsch



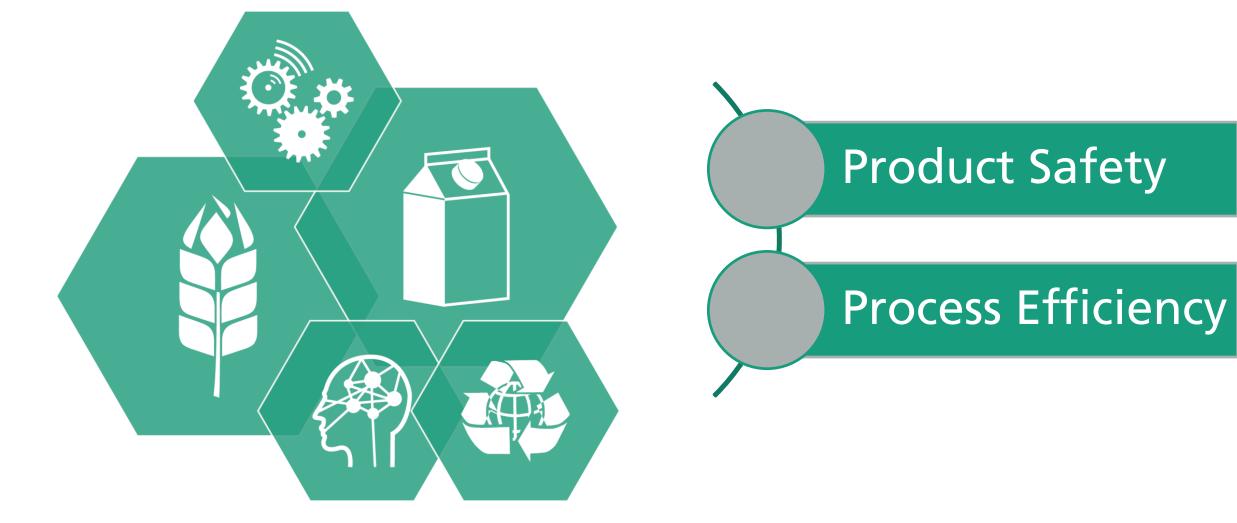


Business Fields and Research Areas



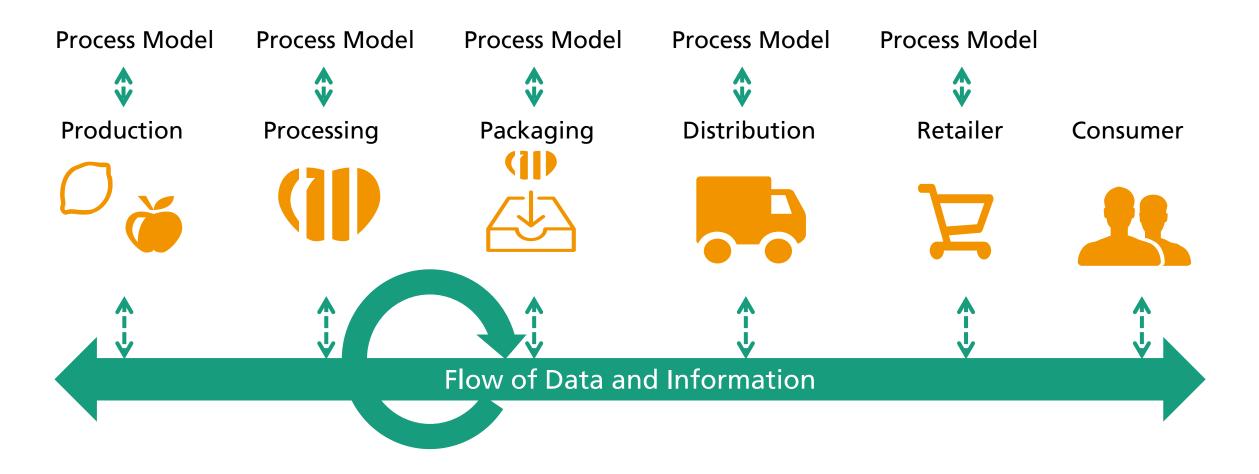


Synergies for optimal results

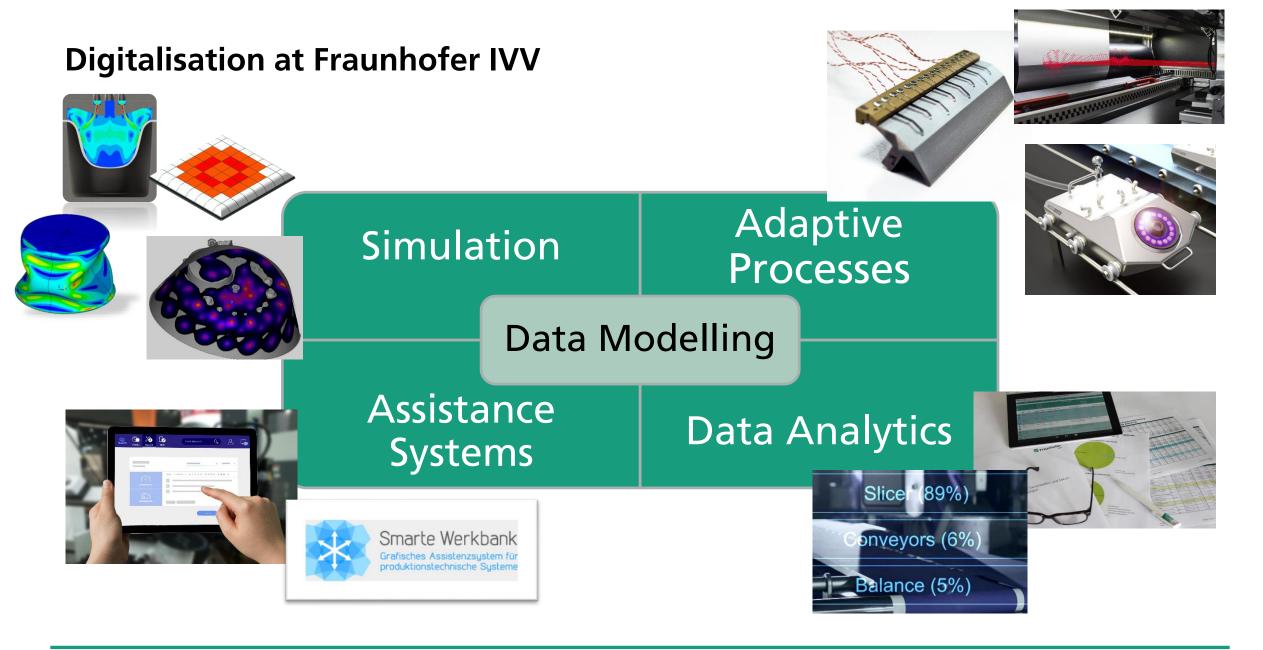




Digitalisation in Food Production Value Chain

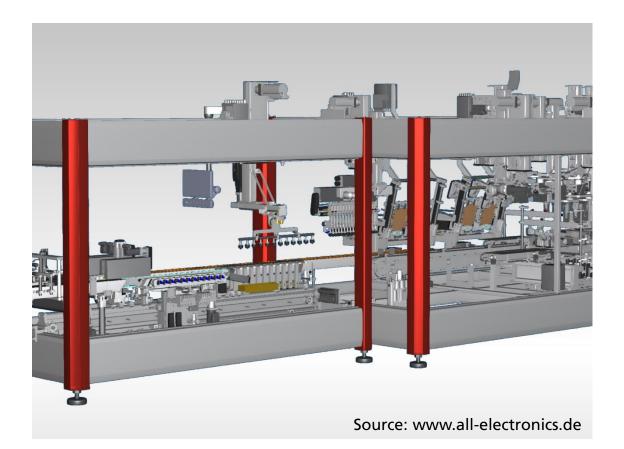








Plant Efficiency Theory vs. Reality



Theoretically possible OEE:

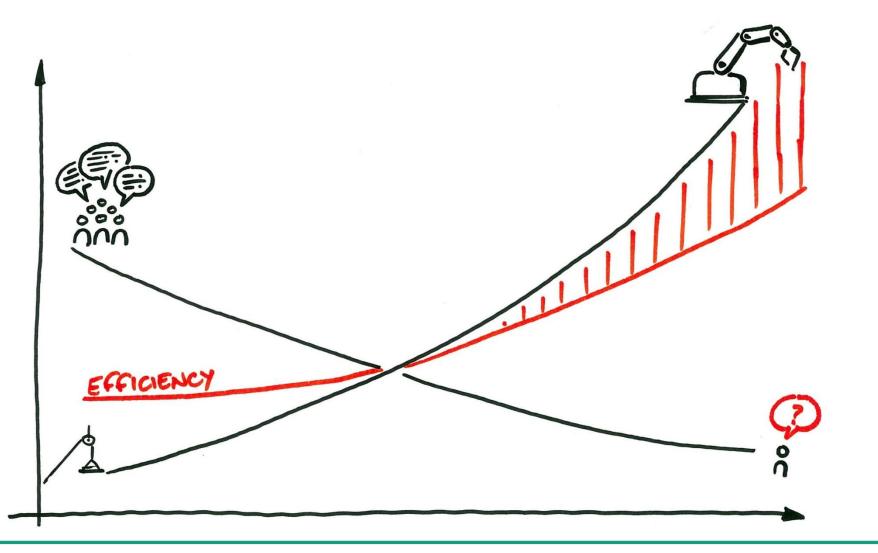
95-99%

Real OEE:

60-70%

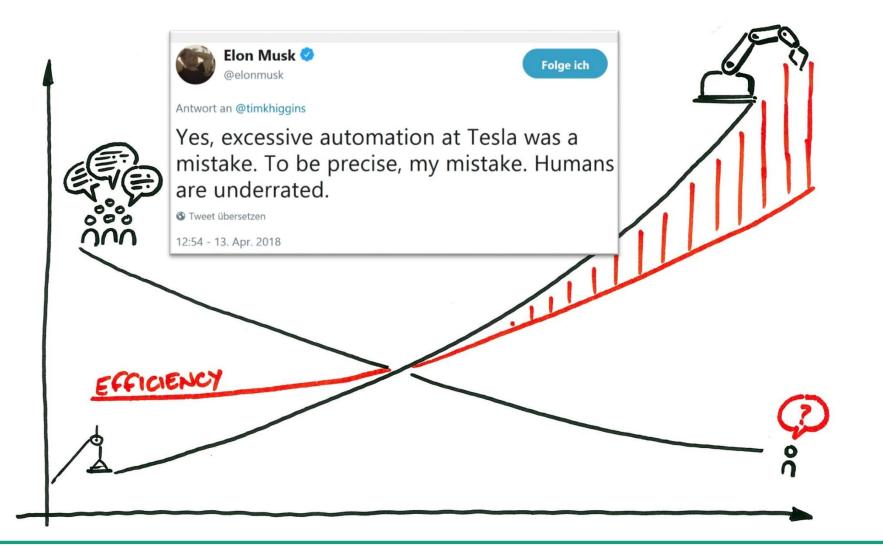


One Reason: Missing Process Understanding





Approach #1: Automation



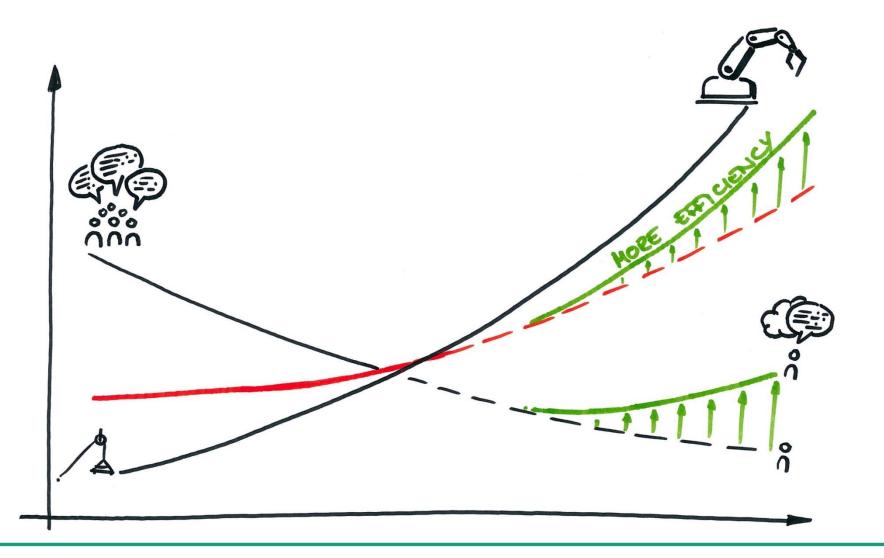


Approach #2: Empowering Unique Human Skills



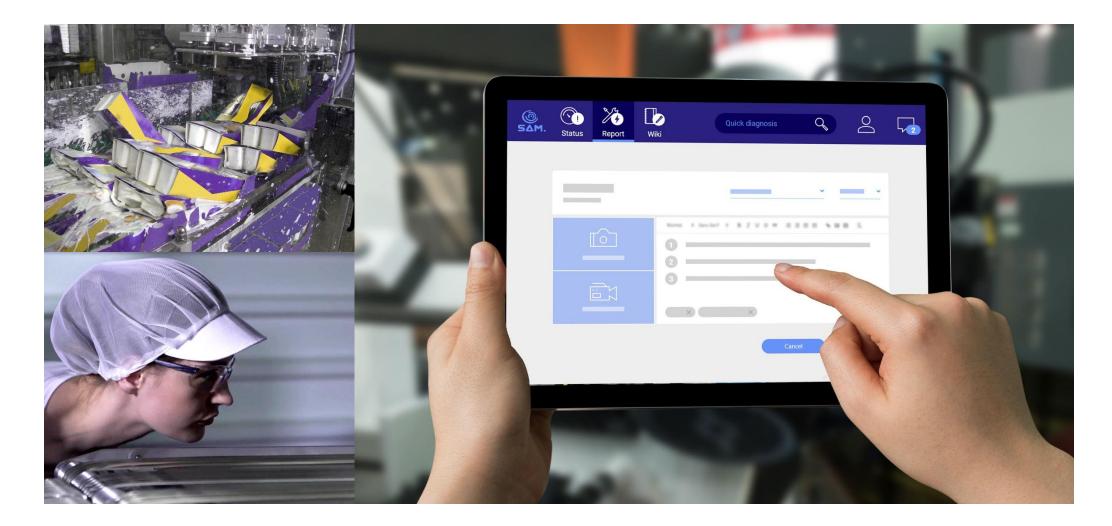


Approach #2





Self-learning Assistance System for Machine Operators





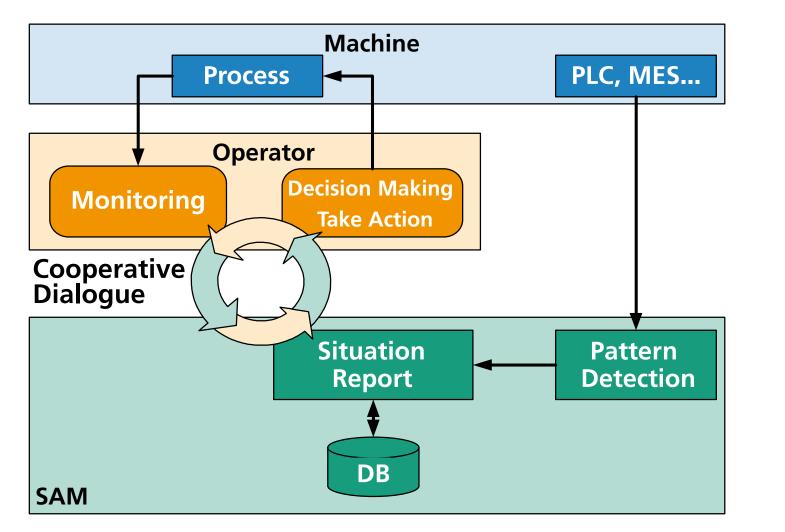
SAM - Combining Machine Learning and Human Experience



SAM is a software that combines **machine learning** and **human experience** to reduce disturbances in the production process.



Interaction of SAM and Operator: Dialogue System









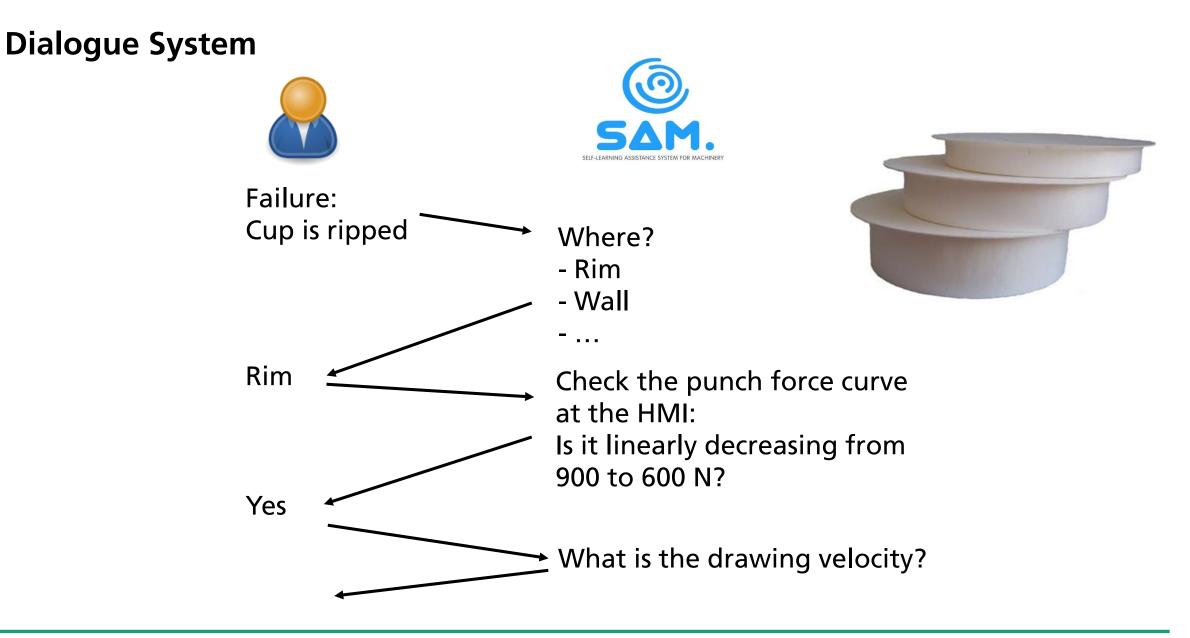




J Die Schokoladenfabrik

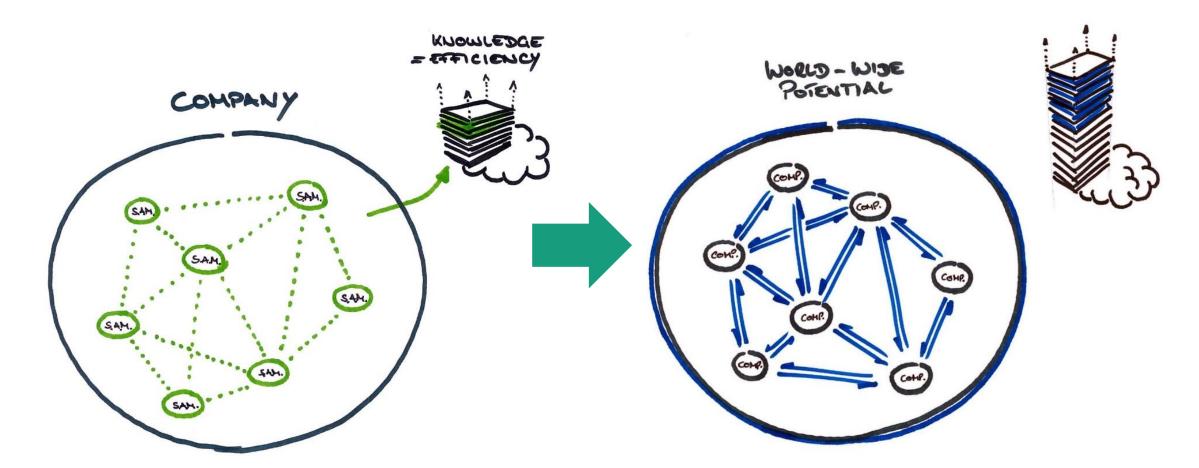








Performance due to Knowledge Sharing





Want to stay informed about SAM? Feel free to contact us!



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