## SYNERGETIC INTERACTIONS BETWEEN SPACE AND PROCESS ENGINEERING



OPTIMIZING THE DESIGN OF ADVANCED LIFE SUPPORT TECHNOLOGIES FOR FUTURE MANNED SPACE EXPLORATION



**Process Performance** 

Evaluation of the process performance by analyzing ke



Target value - Average

\*Minimal standard deviation

P<sub>A</sub> 3 \* Actual standard deviation

Obtained to the Capable but not performant

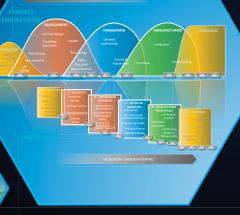
Capable but not performant

Capable but not performant

Performant process

Optimize control

**TECHNOLOGY** 



**Project Management** 



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Joint Agrospace-MELISSA Workshop

Current and Future Ways to Closed Life Support systems