MBSE Standard Slides

Unprecedented Product Complexity: becoming unaffordable... Norm was right (Augustine's Law #16)*



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source: http://savi.avsi.aero/ *https://en.wikipedia.org/wiki/Augustine's_laws **avsi.aero

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Insane Design Behavior Solving the same problems over & over

<u>Problem resurface metric</u>: how long does a problem once solved take to come back

- Auto: ~3 years
- High Tech ~6 mo.
- Aero ~15 years



Cross-Domain problems result from:

- Siloed/Disconnected Decisions
- Form follows function, Problems follow functions
- Everyone involved, including purchasing
- Disconnected requirements
- Uncommunicated change
- Happen at domain/organizational boundaries
- Migrate with people (overt or covert)
- Missing/disconnected product architecture

"Water on the knee"

INCOSE Integrated MBSE Vision What does the integrated digital thread look like...



Value of staying integrated... Continuously managing system interactions/interfaces...



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