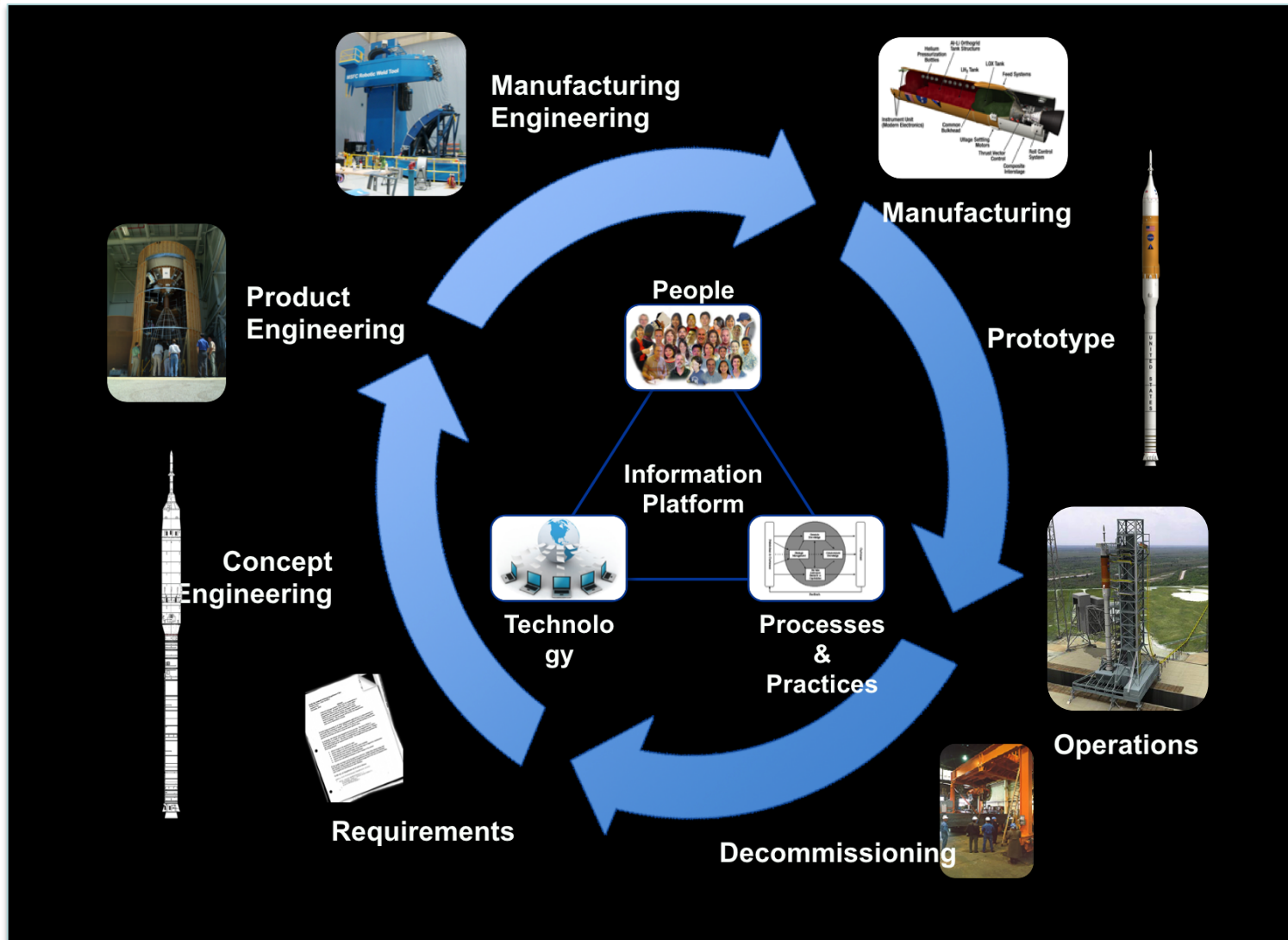




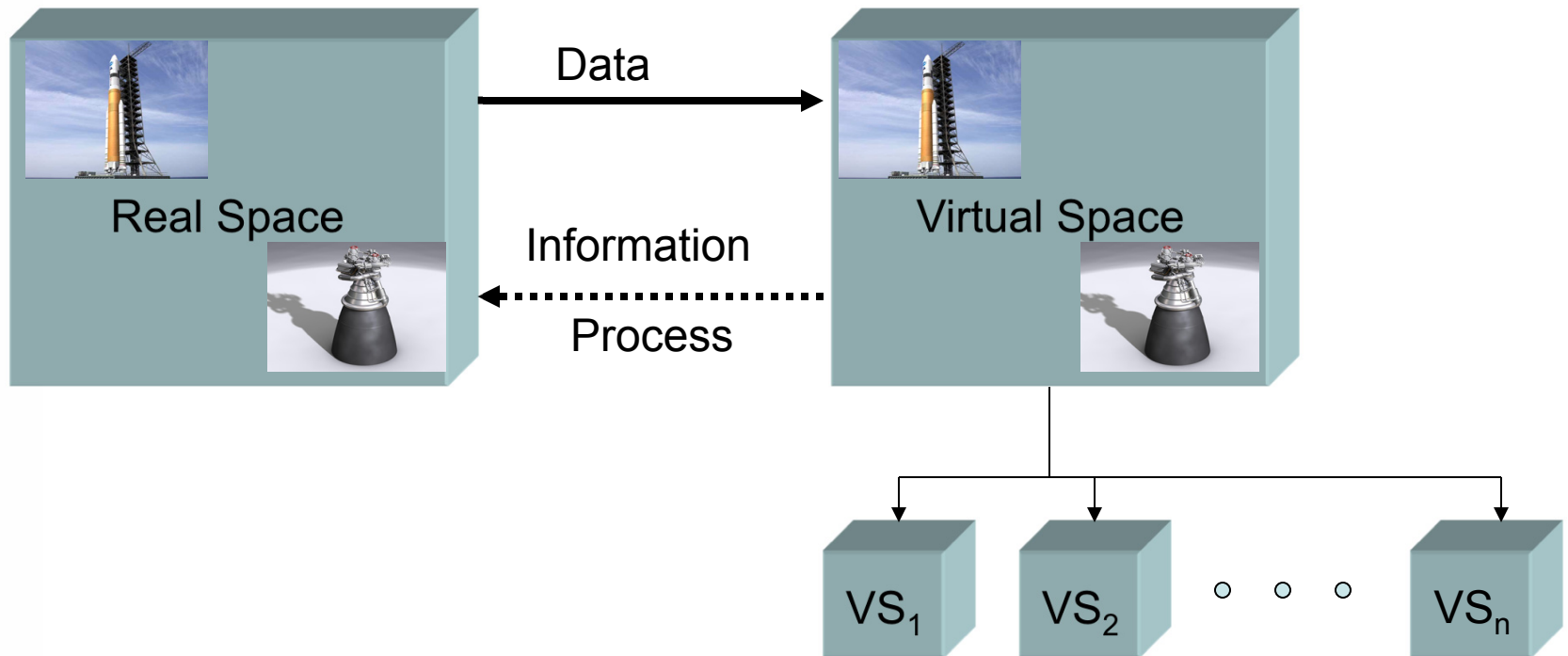
Dual Manufacturing: Manufacturing Both Real and Virtual Products

Dr. Michael Grieves

PLM Model

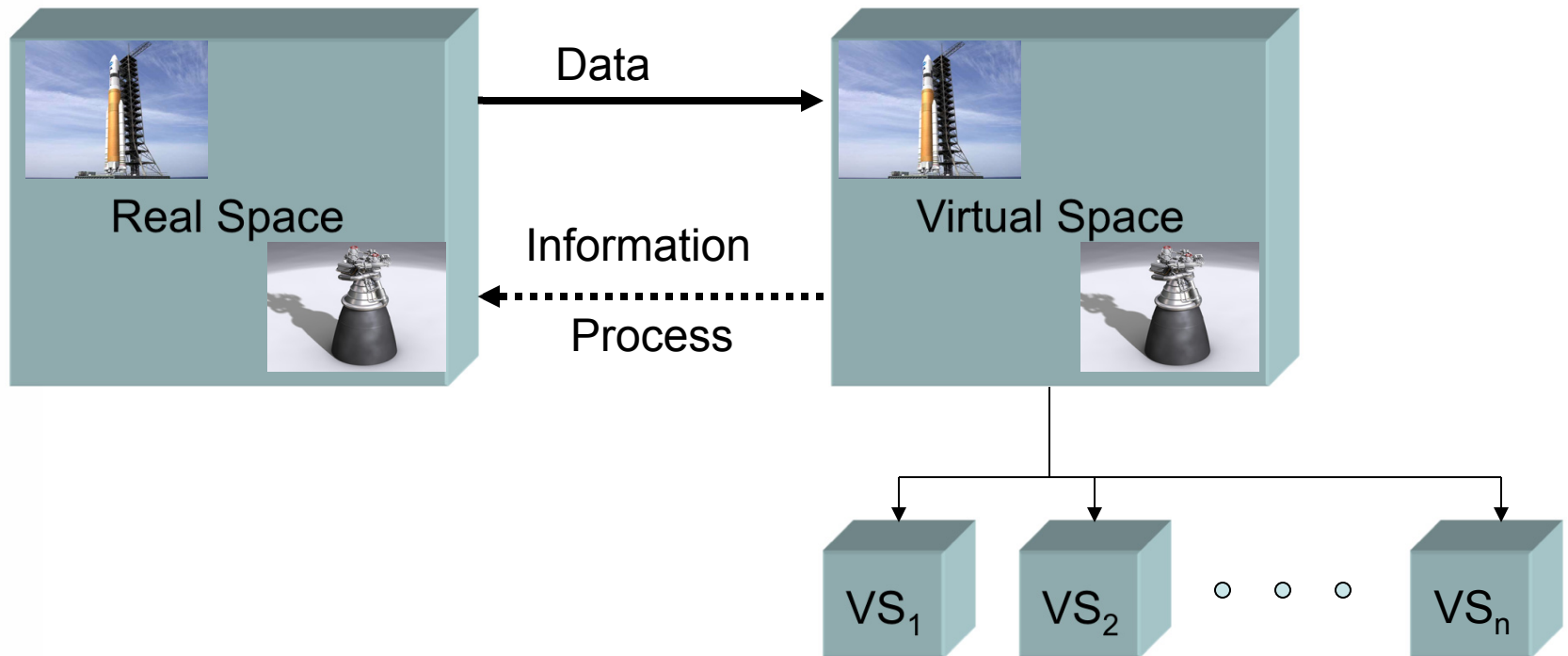


Information Mirroring: *Physical and Virtual Products*



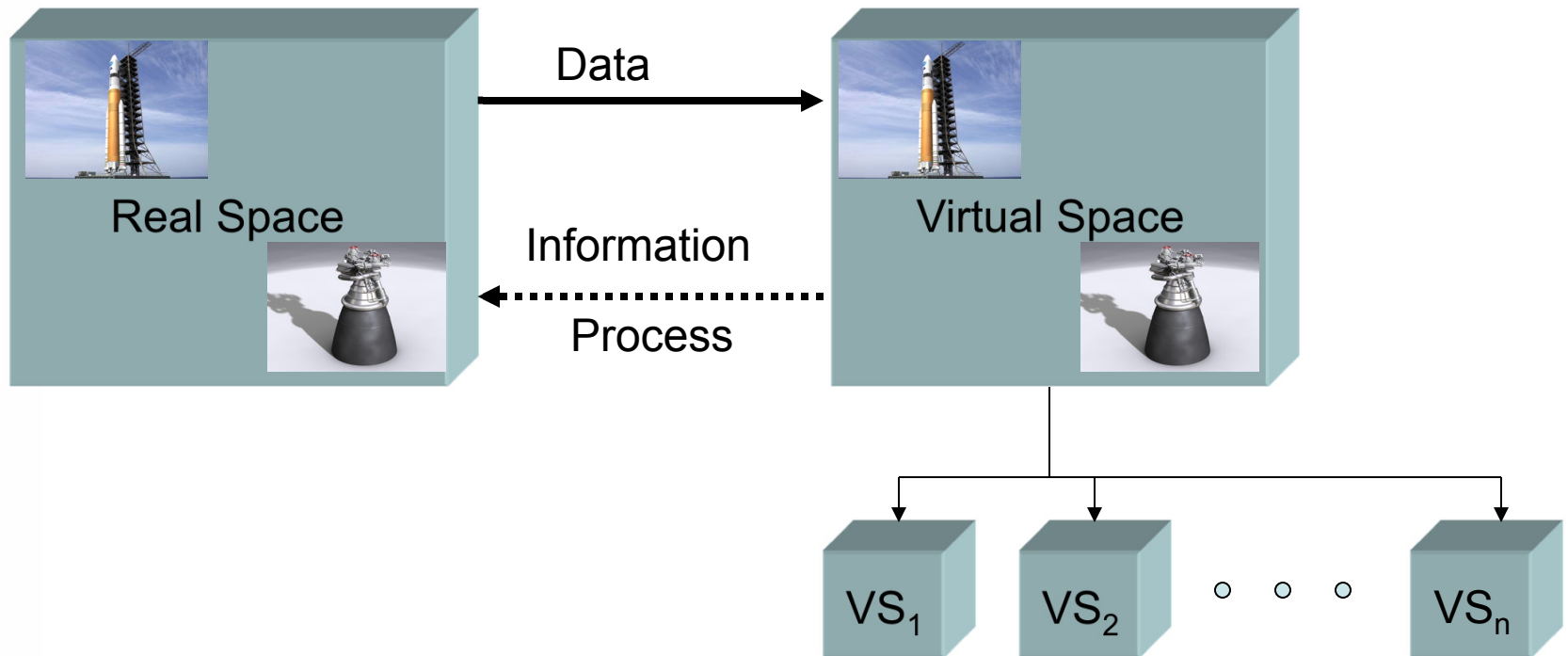
Driving the Next Generation
Of Lean Thinking

Create

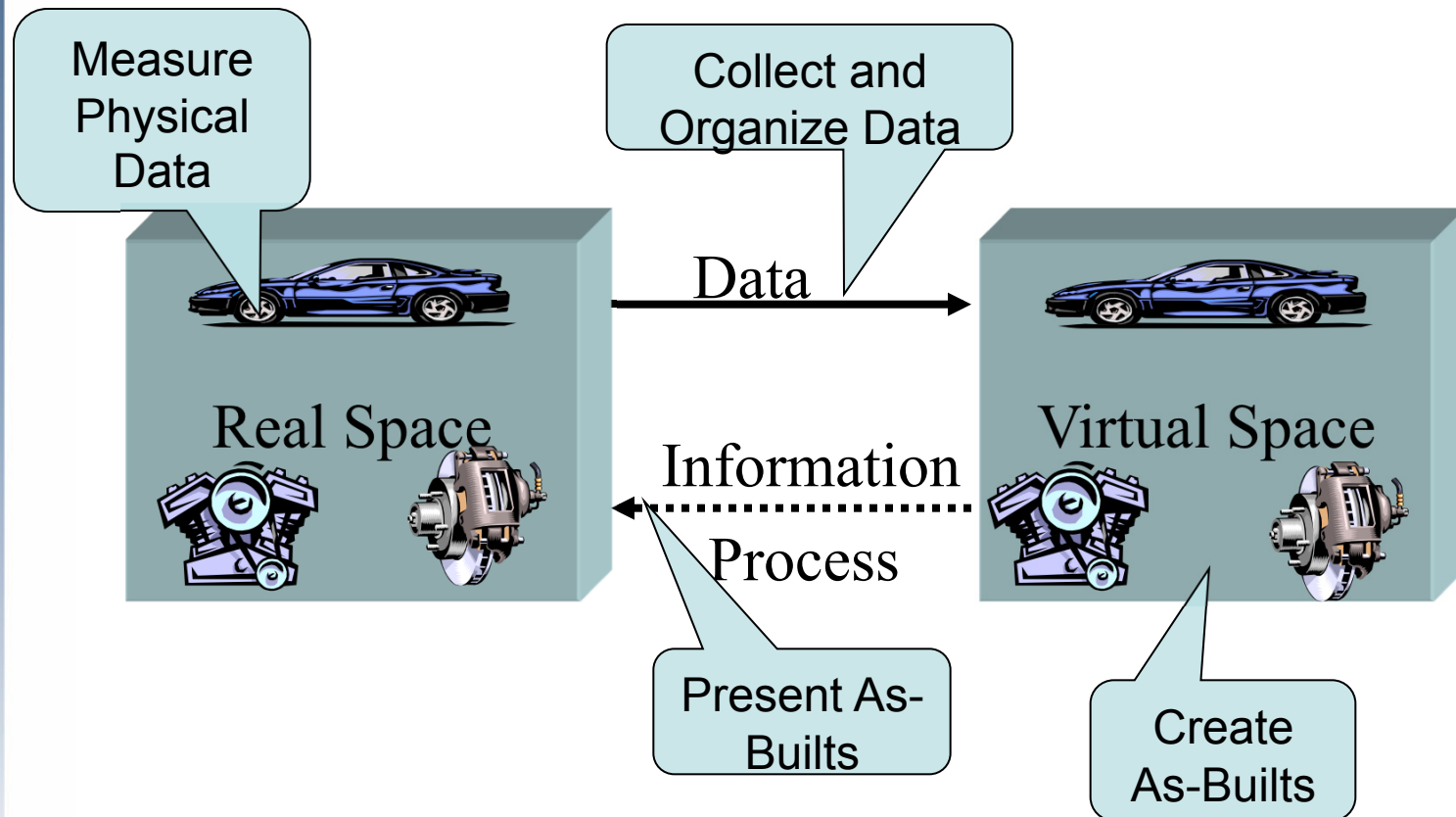


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Build



Components of PSM: Creating As-Builts





Dual Product/PSM Value

- Instantaneous / Simultaneous supply chain (net) availability
- BoP validation (Eng/Mfg)
- Longitudinal manufacturing validation
- Sustainment efficiencies
- Product liability mitigation

**Driving the Next Generation
Of Lean Thinking**



Dr. Michael Grieves
Tel: (248)705-5787
Email: mgrieves@ameritech.net