

MathWorks

ESA - Airbus DS MBSE Workshop – November 2022

MathWorks is the leading provider of technical computing software

- **5 million users**
- Installations at **100,000+ sites** in **185 countries**
- Used for teaching and research by **6500 universities**
- **\$1.25B revenue** in 2021
- **5000 staff** including **2500 engineers**
- **Private, profitable every year** since founding in 1984



MATLAB, the language of engineers and scientists, is a programming environment for algorithm development, data analysis, visualization, and numeric computation.



Simulink is a block diagram environment for simulation and Model-Based Design of multidomain and embedded engineering systems.

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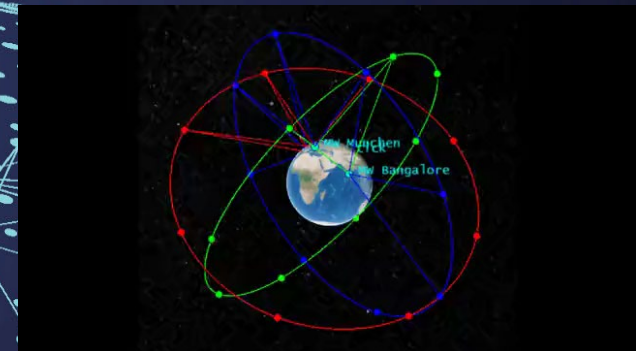
MathWorks in Aerospace & Defence

Physical Modeling

**Guidance,
Navigation,
and Control**



Communications



Physical Modeling

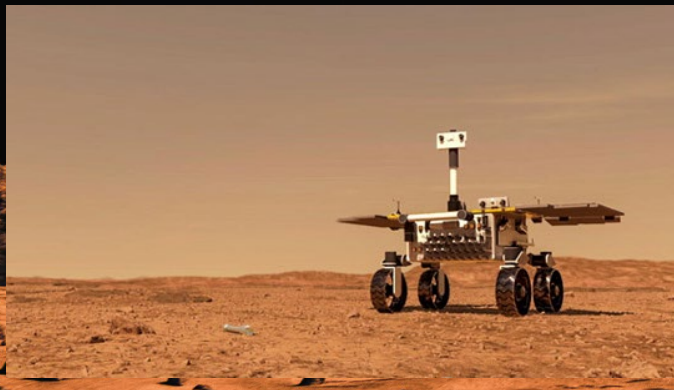
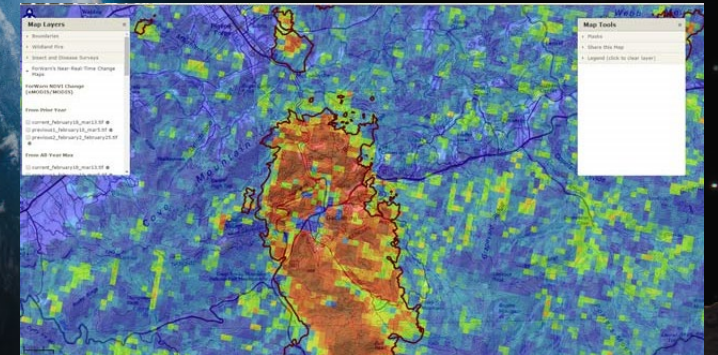


Guidance, Navigation, and Control

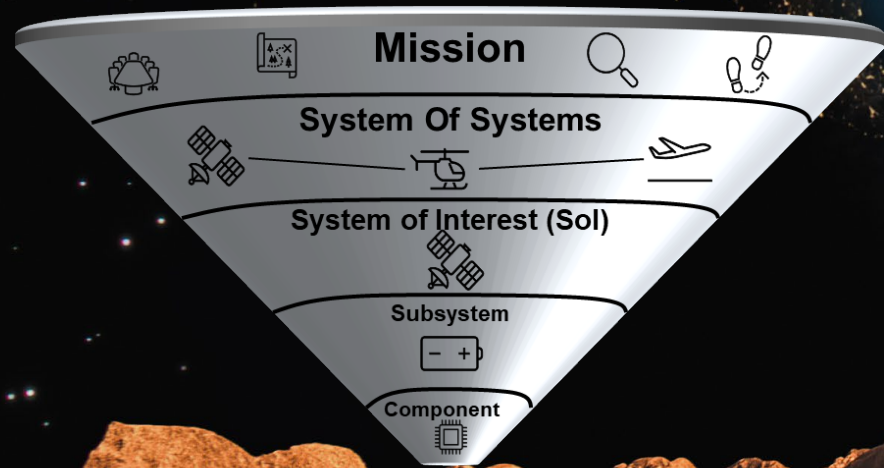
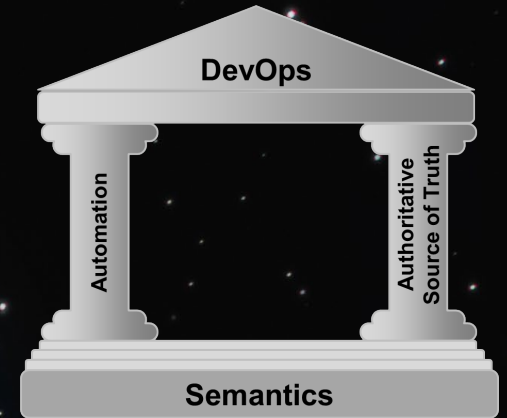
Communications

Artificial Intelligence

Autonomous & Robotics Systems



A Digital Engineering Continuity



Requirement Management
System Engineering
System & Parametric Analysis
Multi-Domain System Architecture

MathWorks,
A MBSE-MBD solution provider

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