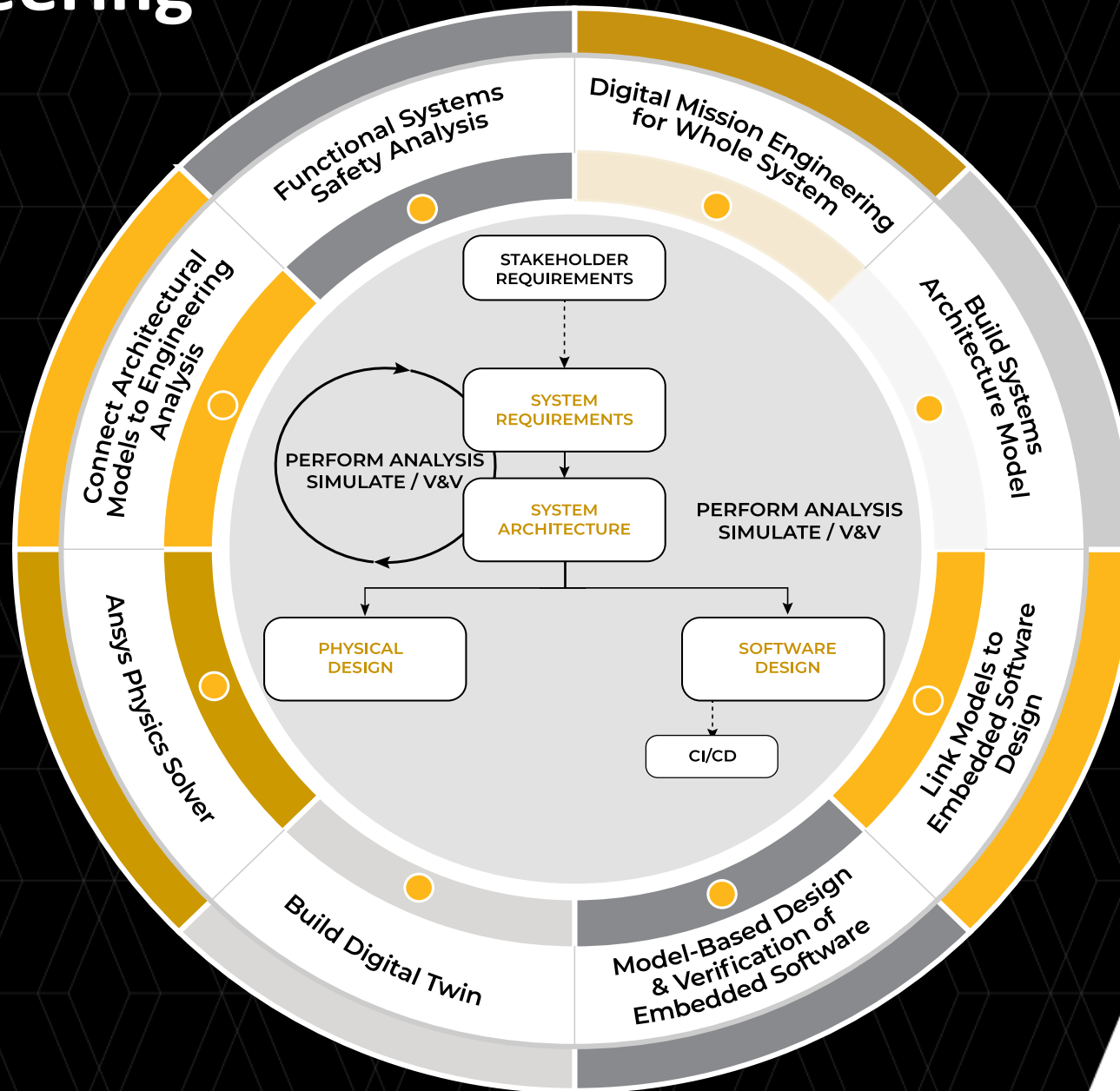# Ansys

Powering Innovation That Drives Human Advancement

INCOSE IW SysML v2 Transition Information Session

Michael Soden / Product Manager

Digital Engineering Ecosystem

Functional Systems Safety Analysis

Digital Mission Engineering for Whole System

Connect Architectural Models to Engineering Analysis

Build Systems Architecture Model

Ansys Physics Solver

Link Models to Embedded Software Design

Build Digital Twin

Model-Based Design & Verification of Embedded Software

STAKEHOLDER REQUIREMENTS

SYSTEM REQUIREMENTS

PERFORM ANALYSIS SIMULATE / V&V

SYSTEM ARCHITECTURE

PERFORM ANALYSIS SIMULATE / V&V

PHYSICAL DESIGN

SOFTWARE DESIGN

CI/CD

Ansys

Emerging Systems Architecture Modeler (SAM)

- **Based on SysMLv2**

  Utilizes the latest, most powerful, and easiest to learn modeling language

- **Cloud-Based**

  Users can access and build models using any modern web browser

- **Real-time Collaboration**

  Users can collaborate in real time with their colleagues

- **Open Infrastructure**

  Integrates with any other tool to fully implement Model-Based Systems Engineering

Powering Innovation That Drives Human Advancement