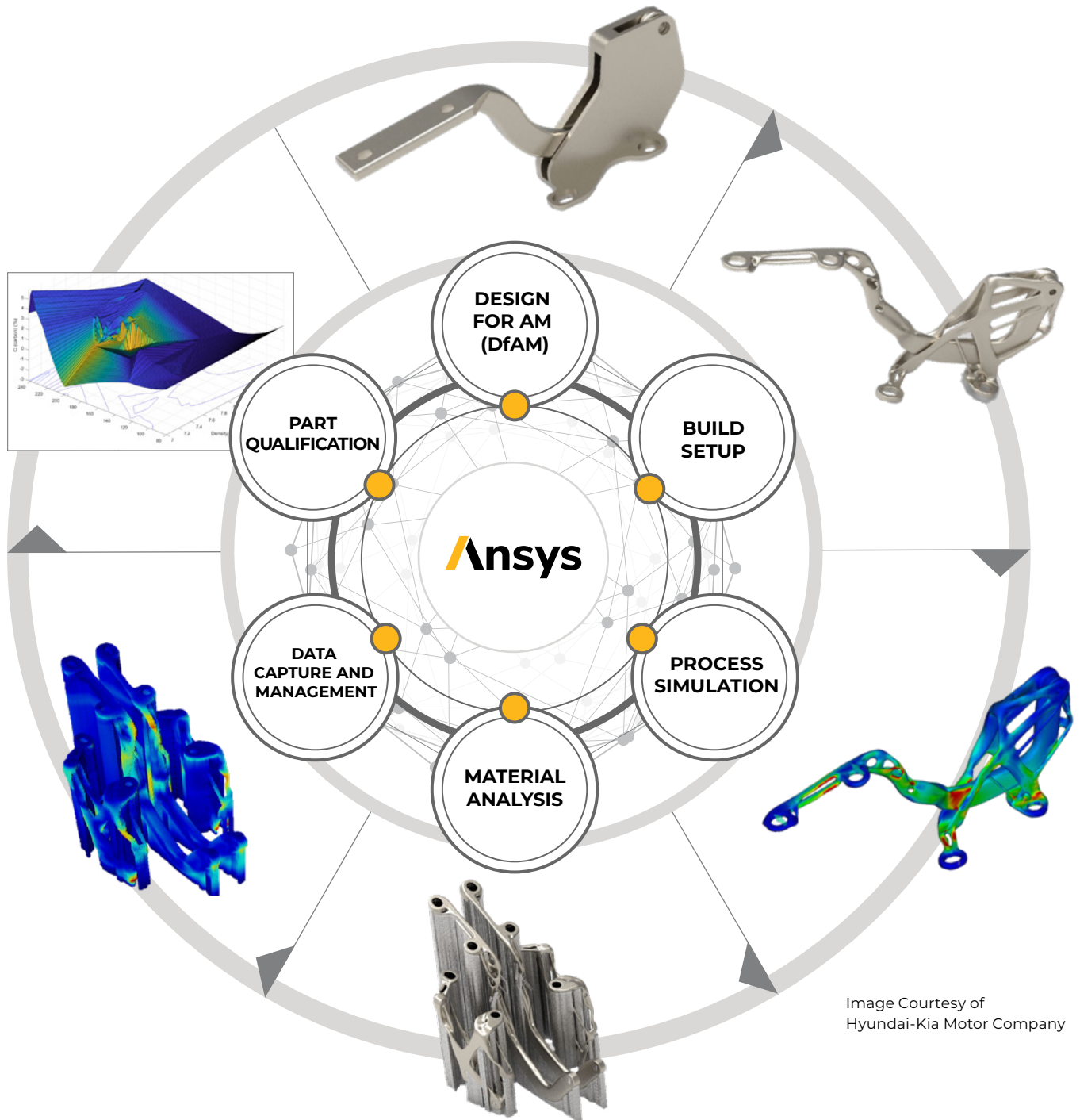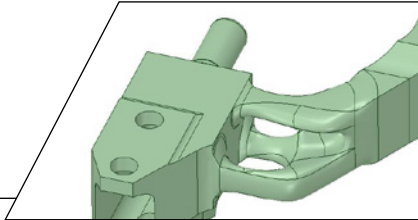# A COMPLETE ADDITIVE MANUFACTURING SOLUTION

A comprehensive and scalable software solution which minimizes the risk of your additive manufacturing processes and ensures high quality, certifiable parts.
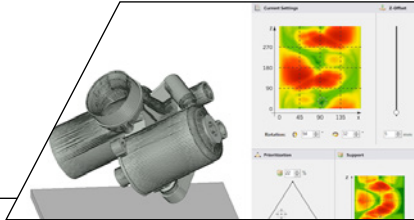

DESIGN FOR AM (DfAM)

PART QUALIFICATION

BUILD SETUP

DATA CAPTURE AND MANAGEMENT

PROCESS SIMULATION

MATERIAL ANALYSIS

Image Courtesy of Hyundai-Kia Motor Company

/ Design for AM (DfAM)

- CAD Modeling
- Topology Optimization
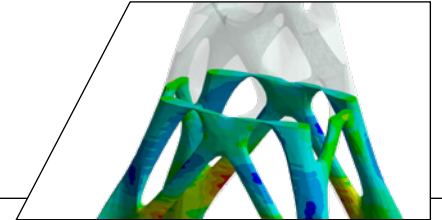- Lattice and Light weighting

/ Build Setup

- STL File Repair and Geometry Manipulation
- Part Nesting and Support Generation
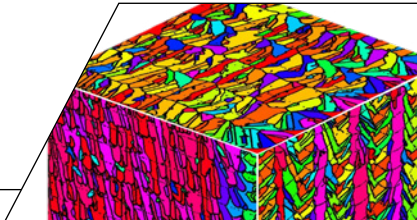- Orientation Guidance and Wizards

/ Process Simulation

- Metal AM Process Simulations
- Distortion Compensation
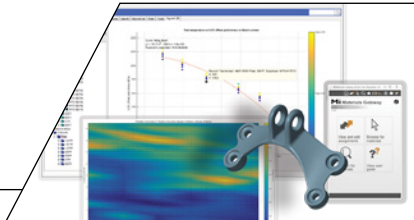- Build Failure Prediction

/ Material Analysis

- Curated Material Property Databases
- Grain Morphology Predictions
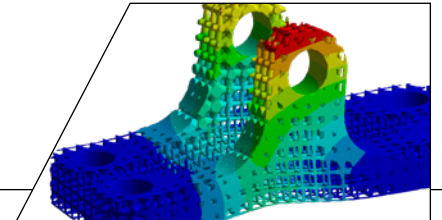- Melt pool and Porosity Prediction

/ Data Acquisition and Management

- Traceability and full control of AM Data
- Consolidate, control and share AM data across organization

/ Part Qualification

- Design Validation
- Structural and Thermal Analysis
- Document control and Certification

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