

Kalypso Introduction

Kalypso delivers digital transformation for Rockwell Automation.

We help our clients discover, create, make and sell better products with digital.

Established in 2004

Rockwell Automation's
Digital Services arm
since 2020

Recognized Digital Leader



INDUSTRY FOCUS



Life
Sciences



Consumer



Industrial
High Tech

COMPREHENSIVE CAPABILITIES

Consulting

Digital Thread Strategy
Product & Portfolio Management (PPM)
Operations Performance Improvement
Supply Chain Optimization
Sustainability
Organizational Change Management

Data Science & AI

Product Lifecycle Intelligence
Autonomous Manufacturing
Model Predictive Control
Predictive Service & Maintenance

Technology

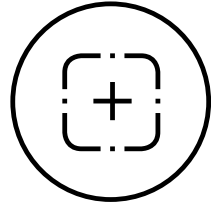
Digital Twin
Product & Data Lifecycle Management
Supply Chain Management (SCM)
Enterprise Resource Planning (ERP)
Internet of Things (IoT)
Extended Reality (AR/VR/MR)

Managed Services

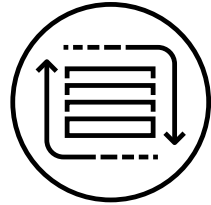
Application Management
Continuous Improvement
Cloud Infrastructure & Hosting
Solution Services

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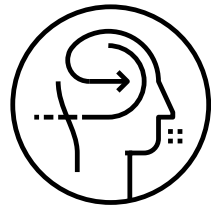
The Kalypso Difference



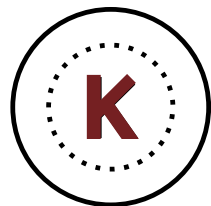
Exclusive focus
on innovation
in the digital
value chain



Comprehensive capabilities in consulting,
data science, technology,
BPM and managed
services



Informed opinions
grounded in
industry experience



Core values
that govern how
we work with our
clients and
manage our people

We act as
leaders behind the leaders

We believe in the **power of creativity, diversity and innovation** to change the world

We deliver with
professionalism, integrity and quality

We are **committed**
to our business partners

We have **passion** for
personal development

We are a team of
characters with character

We deliver the **digital thread** that brings the **connected enterprise** to life and transforms product innovation

Kalypso and Rockwell Automation®

Discover

Create

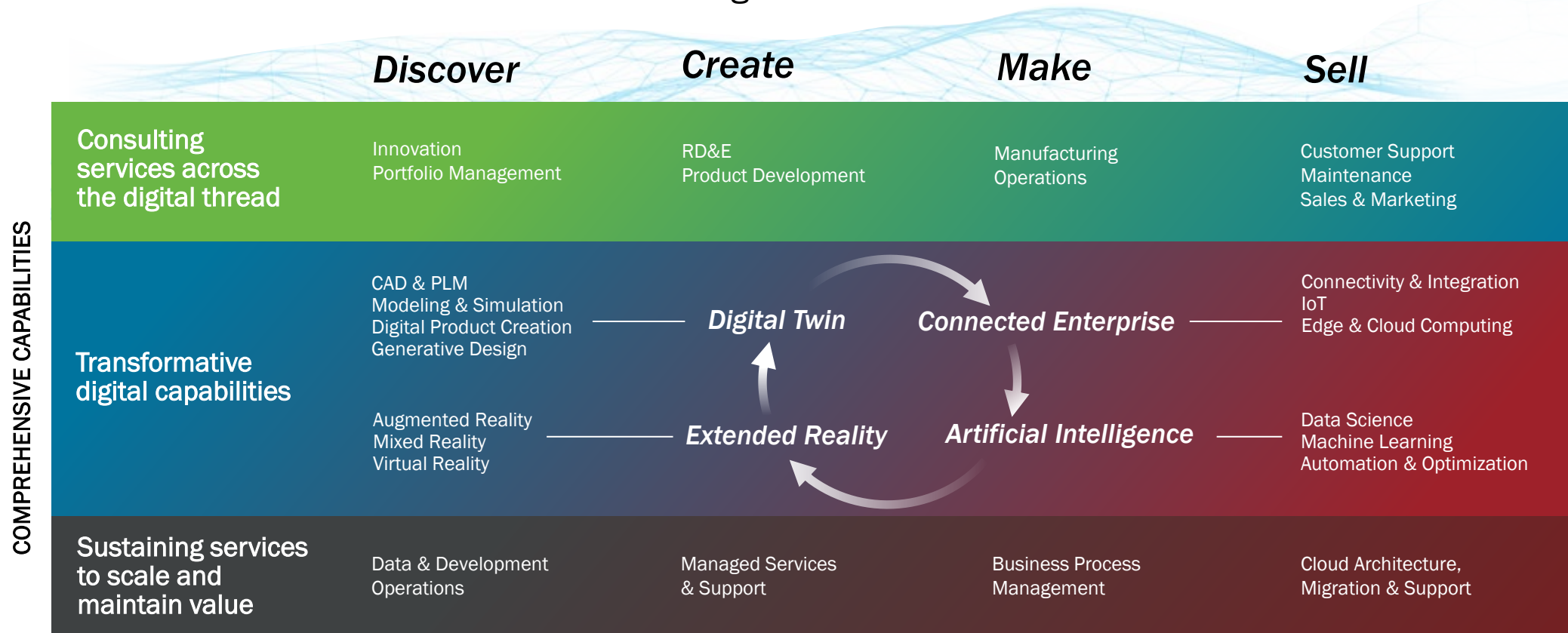
Make

Sell



A unified, open architecture powers the digital thread

Kalypso and Rockwell Automation® enable the convergence of IT and OT

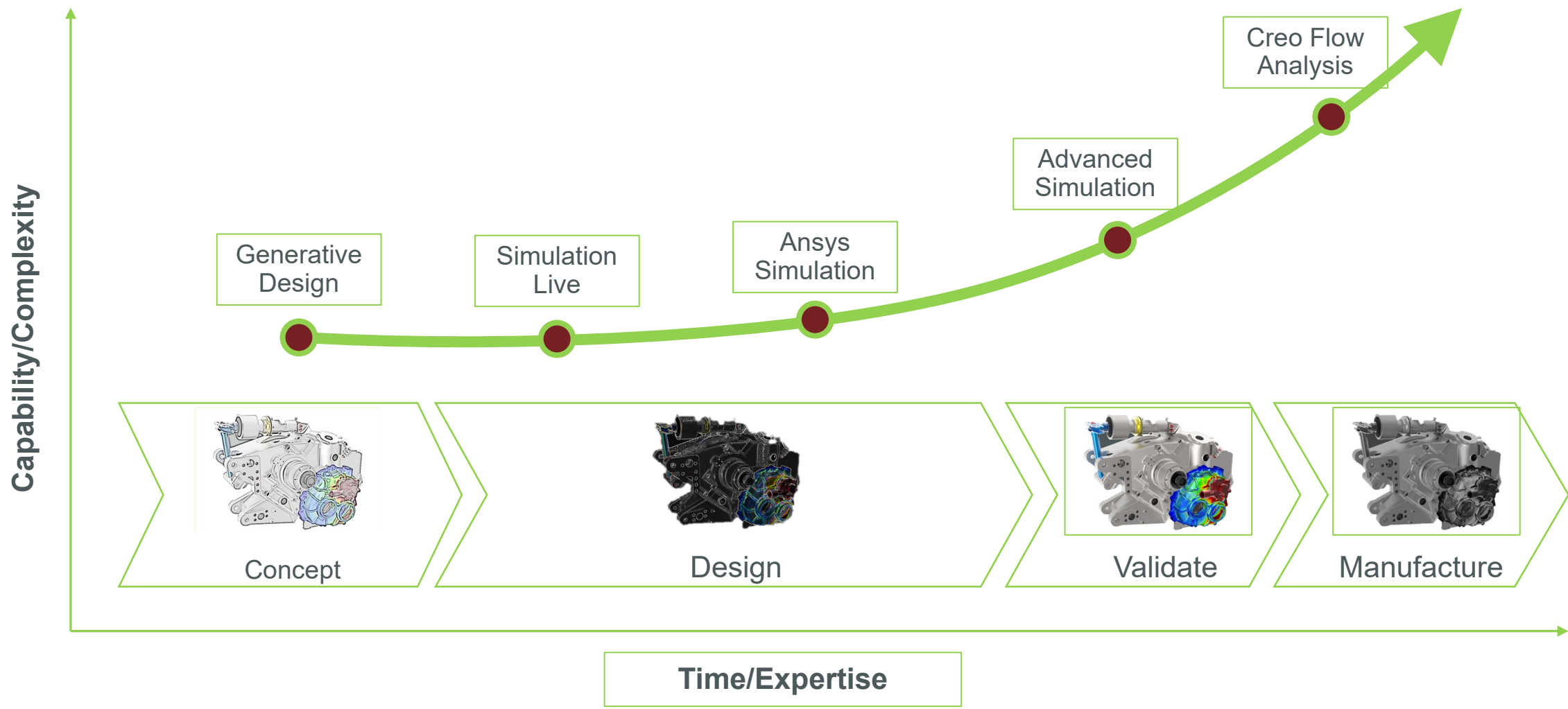


IT & OT TECHNOLOGIES



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SIMULATION SOLUTION POSITIONING



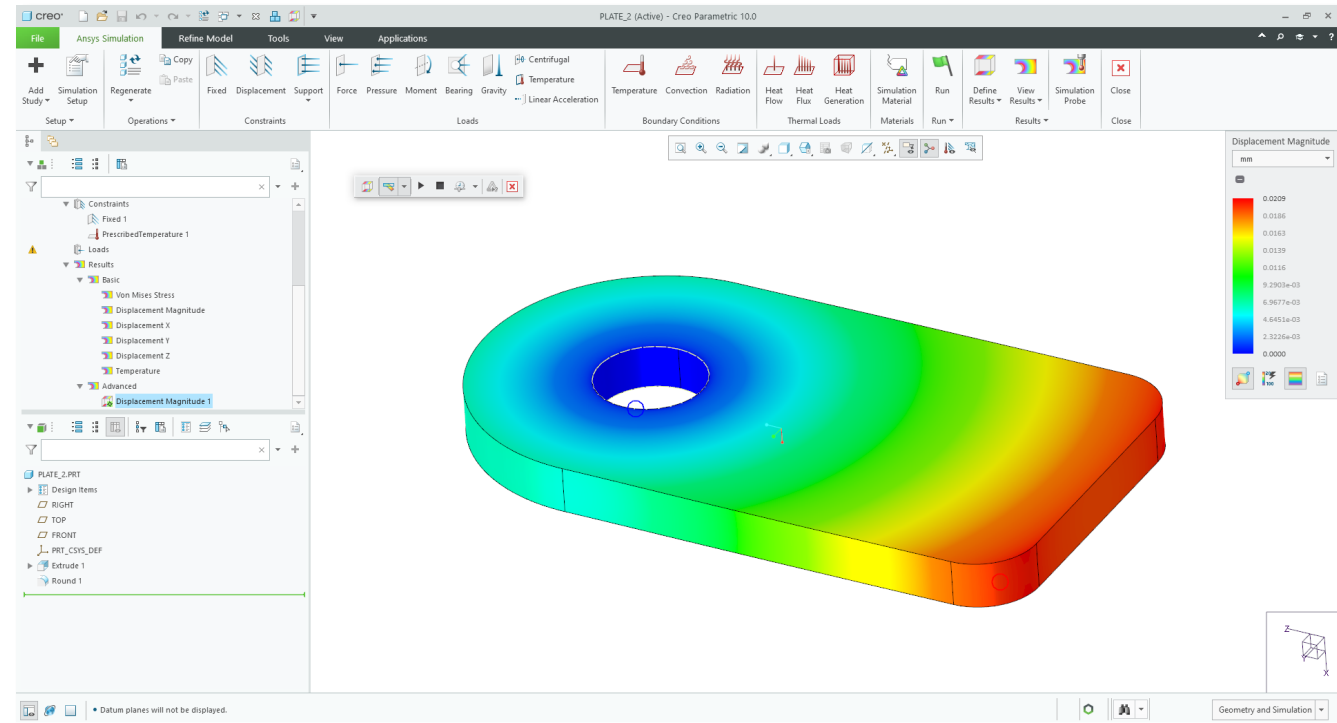
Creo Ansys Simulation – Combined Structure and Thermal

Capabilities:

- Combined physics of Thermal and Structural
 - 1) Thermal expansion use case
- Primary study can be thermal or structural
 - 1) Then add additional physics
 - 2) Additional physics are added to ribbon
 - 3) Can be switched off and return to primary physics
- Only available as steady-state thermal study
- Creo Ansys Advanced license required

Benefits:

- High fidelity support for multi-physics
- Thermal expansion simulation
- Calculate thermal stresses



Creo Ansys Simulation Overview

Ansys Simulation delivers Ansys powered, high-fidelity simulation running in Creo

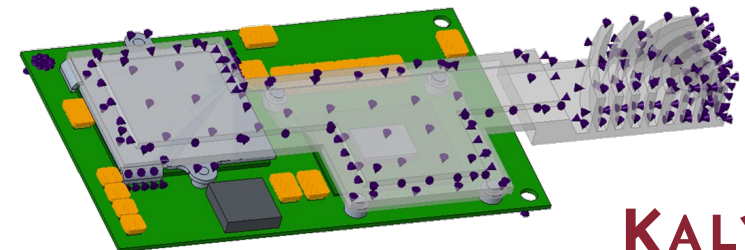
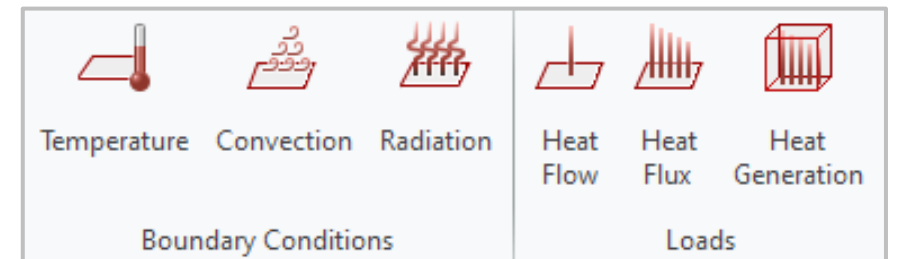
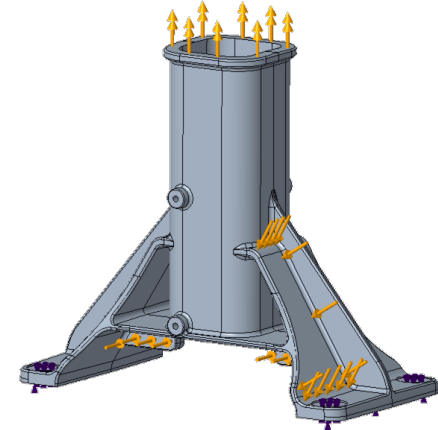
Fast Simulation Modeling and Setup

Rapid analysis setup

- Model realistic simulation conditions
- Easily define and place loads and constraints

Idealization support for structure and modal

- Simple mass, springs, shells and beams with multiple sections and properties



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The digital twin

is a superior representation of a physical entity or system across its lifecycle using comprehensive data, analytics, simulations and emulations



Digital twins incorporate five types of models to effectively digitize the value chain

CAD

CAD (geometric and polygonal) and other models (compositional) provide digital representations of physical composition and geometry

Physics

Digital representation of physical processes and dynamics like heat exchange, pressure, vibrations and fluid dynamics

Automation

Emulations of PLC logic and animations of physical processes, which are used to digitally create manufacturing automation processes

Extended Reality

Digital representation of the human interface to a product including maintenance, operations and training procedures

Analytical

Digital characterization of the data, measurements, sensor readings and telematics of a manufacturing asset or process

The digital thread

The digital thread is a seamless flow of data that connects business processes, systems, products and equipment across the value chain to drive significant value.

- Up to 30% increase in factory output
- Up to 33% decrease in time to market

- Up to 12% reduction in operational costs
- Up to 50% increase in OEE

- Up to 90% improvement in right-first time quality
- Up to 50% reduction unplanned downtime