

AI FOR MECHANICAL COMPONENT DESIGN

Combine industrial AI with engineering knowledge to improve how mechanical components are designed and validated.

Advance Mechanical Component Design With Industrial AI

Quicker
design iterations

Move faster from
requirements to design

Higher
simulation accuracy

Move from RFPs to designs faster

Automatically extract parameters and constraints from requests for proposals (RFPs), generate multiple designs and select the best one.

Make better decisions earlier

Give designers built-in performance insights to compare tolerances and validate designs without a separate simulation cycle.

Reuse engineering knowledge easily

Capture enterprise knowledge in parametric models. Teams can then reuse verified expertise and adapt models just by chatting with LEO, our Virtual Companion.

Discover how to apply industrial AI to mechanical component design, measure its impact and turn proven results into lasting capabilities.

Explore more here

DASSAULT SYSTEMES