

Your Partner for Digital Value Creation

Digital methods, processes, models and tools determine the value creation along the product life cycle today. On this basis, development times, quality, costs and energy as well as resource efficiency of product systems can be planned and designed in a targeted manner.

At Fraunhofer IPK, we are realizing our vision of completely digitalizing product design and engineering. We are advancing innovative solutions along the dimensions of

Integrated. Extended.

1



Intelligent Integration

Integration across the product lifecycle by aligning methods, organizations, IT systems, and data information models

3



Sustainable Product Ecosystems

Modeling and assessing global interconnections of systems and their environment

2



Extended Reality

Creating interactive, user-centered immersive environments in an engineering metaverse

Sustainable. Digital.

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Product Development

4

5

Rethinking

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Digital Engineering
at Fraunhofer IPK

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