



## S-Life FKM Top Use Cases

Static & Fatigue Strength Software by PART Engineering



Altair

Partner Alliance

# ASSESSMENT OF FATIGUE STRENGTH OF CAST IRON MACHINE PARTS

## Challenge

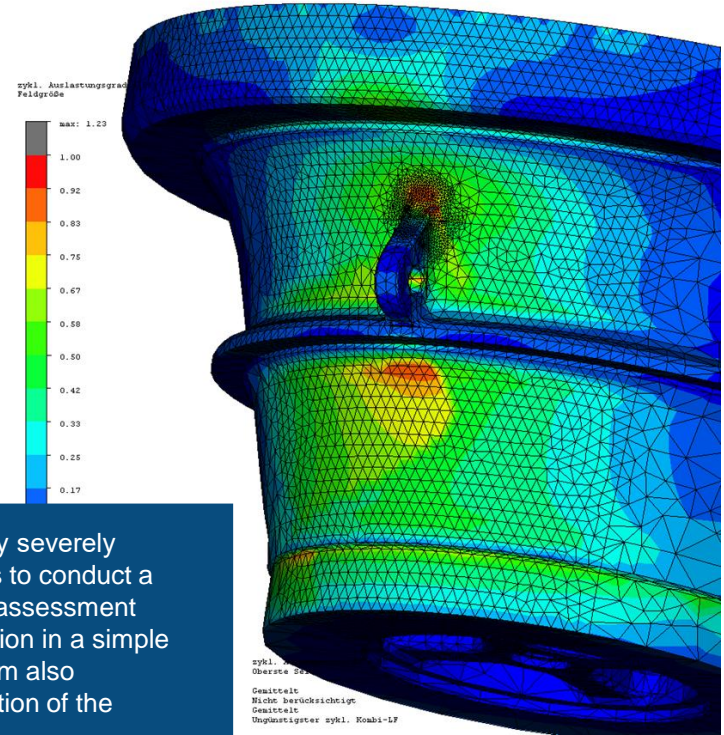
- Reliable assessment of component strength required

## Solution

- S-Life FKM conducts a comprehensive strength assessment, static and fatigue alike according to the German FKM guideline reflecting state of the art strength evaluation of machine parts

## Results

- Comprehensive strength assessment
- Component optimization
- Analysis Documentation



“Our mills are dynamically severely loaded. S-Life enables us to conduct a comprehensive strength assessment and component optimization in a simple and fast way. The program also facilitates the documentation of the analysis.”

**Jörg Bettenworth**  
Head of Forward Development  
Loesche GmbH - Germany



# ASSESSMENT OF STRENGTH OF ROTATING MACHINERY PARTS

## Challenge

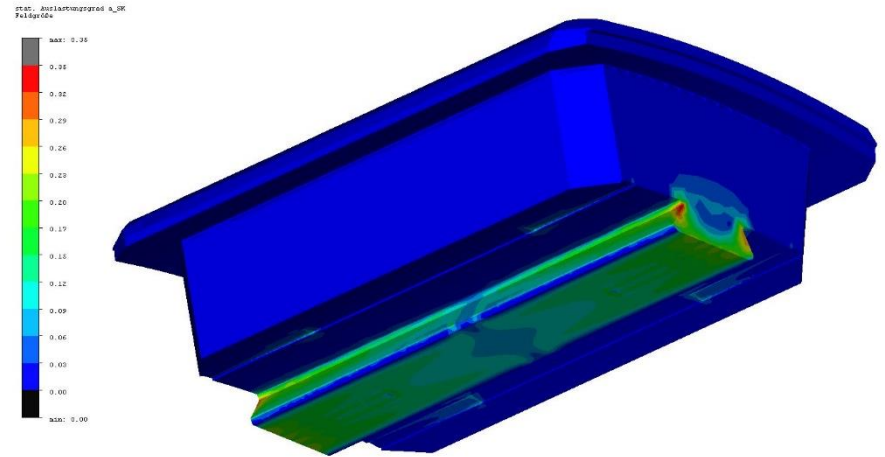
- Reliable assessment of component strength required

## Solution

S-Life FKM conducts a comprehensive strength assessment, static and fatigue alike according to the German FKM guideline reflecting state of the art strength evaluation of machine parts

## Results

- Reduced evaluation & documentation times



"We use S-Life to evaluate our FE analyses of generator rotors. The intuitive and fast handling reduces considerably our evaluation and documentation effort."

**Lukas Speckner**  
Computational Engineer  
Stork Technical Services GmbH

