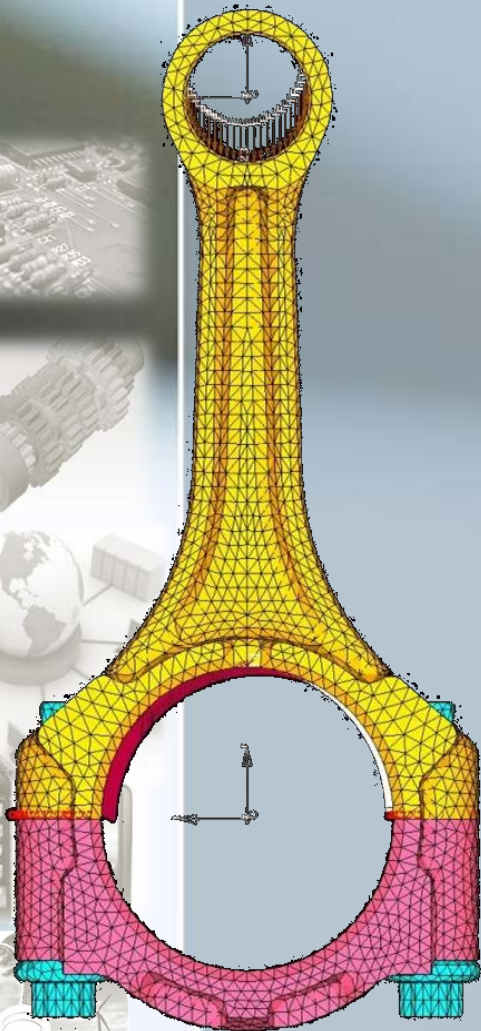




# Case Study – Mechanical Design Automotive – Analysis & Optimization



<b>Product</b>	Connecting Rod
<b>Scope</b>	<ul style="list-style-type: none"><li>Design Optimization of Connecting rod with a goal to reduce the weight of the part by at least 6% without affecting the big end, keeping a Buckling factor of 25</li></ul>
<b>Input</b>	<ul style="list-style-type: none"><li>Weight reduction of 6.8% achieved by modifying the I-Section</li></ul>
<b>Benefits</b>	<ul style="list-style-type: none"><li>Substantial reduction in cost of the connecting rod</li></ul>
<b>Software</b>	<ul style="list-style-type: none"><li>MSC Nastran</li></ul>

*Engineer the future*