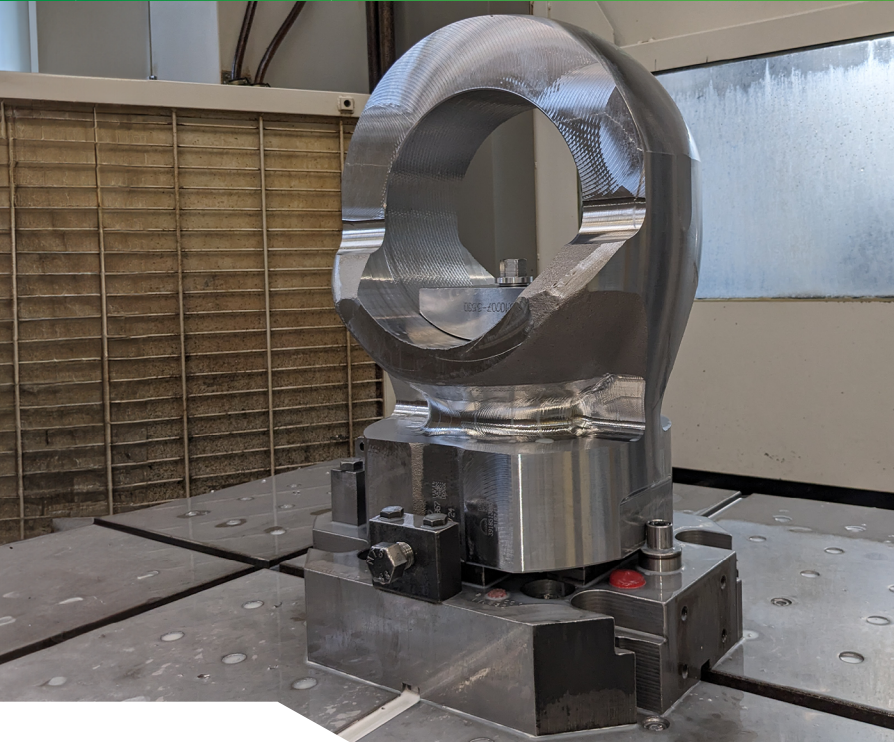


# Everlence SE Efficiently Delivers Reliable Parts

With Creo High-Speed Milling extension, Everlence SE creates parts quickly, eliminates rework and cuts cost.



With [Creo HSM], it took Everlence SE 60% less time to perform the roughing operations to manufacture the part.

Mathias Reiter, Team leader NC programming, Everlence SE

## Challenges:

With the requirement of zero-part failure and the high cost of raw parts, Everlence SE needed to ensure that each part they produced was reliable and efficient for their customers. And with competitors offering lower cost options, Everlence SE needed to figure out a way to create parts quickly and inexpensively.

## Results:

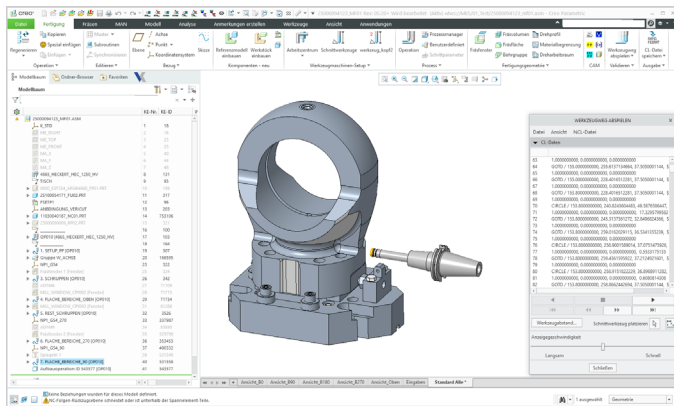
By using an advanced toolpath, part of Creo High-Speed Milling (HSM), and a reliable and efficient manufacturing process, Everlence SE was able to save 60% on the time it took to perform the roughing operations and several weeks on manufacturing a part.

## Products Used:

Creo  
Creo High-Speed Milling Extension (HSM)

## Everlence SE Puts Sustainability First

Everlence (formerly MAN Energy Solutions) is a leading provider of propulsion, decarbonization and efficiency solutions for shipping, the energy economy and industry. True to our motto – ‘Moving big things to zero’ – we help key industries in the global economy to reduce hard-to-abate emissions. Our technologies have a measurable impact on the success of the global energy transition.



Everlence develops ship and power-plant engines, as well as retrofit solutions that use climate-neutral fuels to reduce carbon emissions. Our large-scale heat pumps help decarbonize the heat supply for towns, cities and industrial facilities across the globe, while our carbon-capture and storage technologies ensure that unavoidable carbon emissions can be extracted from industrial processes safely. Through our

subsidiary, Quest One, we manufacture electrolyzers for the production of green hydrogen and are part of the global hydrogen ramp-up.

Headquartered in Germany, Everlence employs some 15,000 people at over 140 sites globally. Our after sales brand, Everlence PrimeServ, also supports our customers through its worldwide service-center network.

## No Room for Error

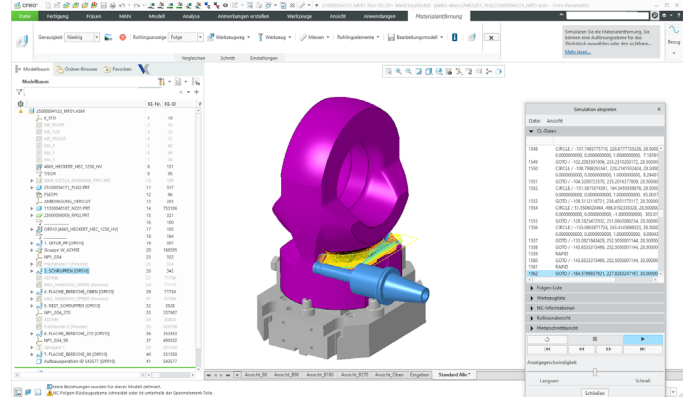
For Everlence SE, reliability is key. Every part and process must be standardized—with no room for error. Because of the great cost associated with these large raw parts, they needed to establish a reliable toolpath so that they don't damage the part or machine or waste time and money reworking from scratch.

Everlence SE realized that their traditional roughing toolpaths took a long time to machine a part, and as a result, was a costly process. And if it was a costly process for Everlence SE, it would, in turn, be an expensive purchase for their customers and an opportunity for competitors to take advantage. Due to the large size of these assemblies, such as a two-meter-long connection rod, they could only produce one prototype.

## Streamlining Production Time with Creo HSM

With Creo NC established within their processes, it only made sense for Everlence SE to leverage the new capability of Creo High-Speed Milling (HSM). By utilizing this feature, they applied powerful 3-axis NC milling capabilities to efficiently generate toolpaths that improve product quality, manufacturing consistency, and costs. As a result, Everlence SE saved 60% on time to perform the roughing operations to manufacture the part.

Now that Everlence SE successfully streamlined the time and cost it takes to create a part, they can apply this to optimize other parts, creating more and more use cases. After this, they are faster than competitors and can produce the part locally. Because Everlence SE is creating hundreds of parts a year, through the integration of Creo HSM, they save weeks on manufacturing.



## Conclusion

Everlence SE's success in applying Creo HSM to their production process creates opportunity for them to roll out this solution to other machines as well as other areas of the company. With the possibility of part failure being zero, Everlence SE is confident in their ability to quickly deliver reliable products for a multitude of use cases across a number of industries.

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