

# Engine brackets

of a large printing press

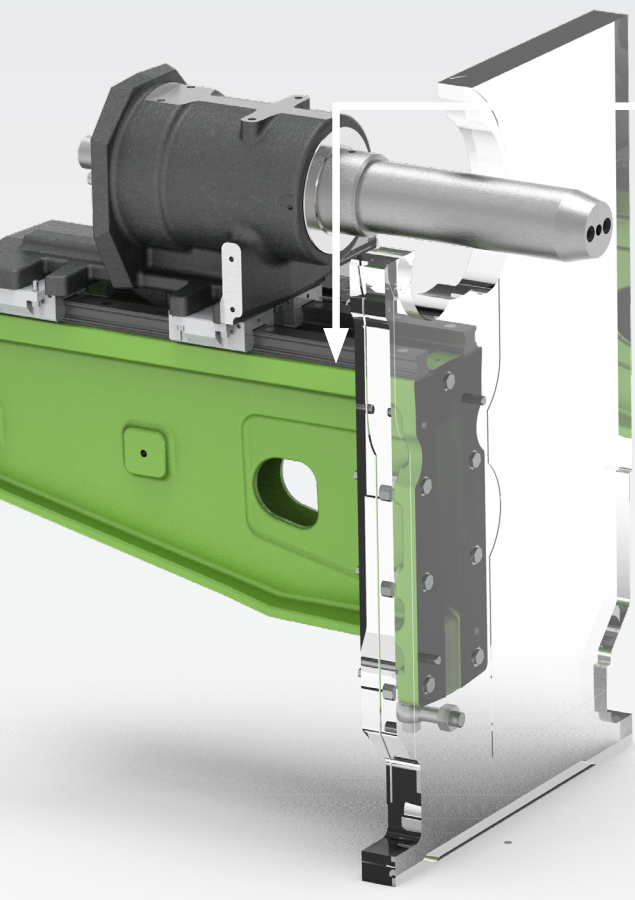
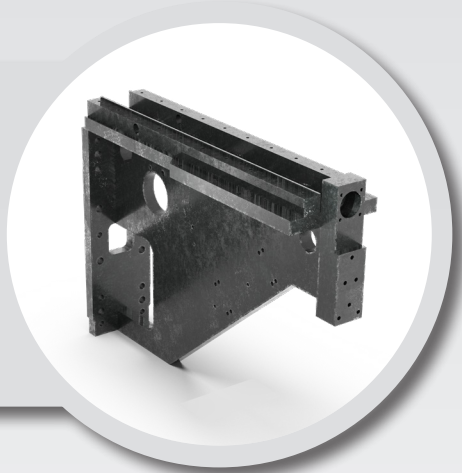
Redesign of two welded constructions into a single sand-casting

PROJECT

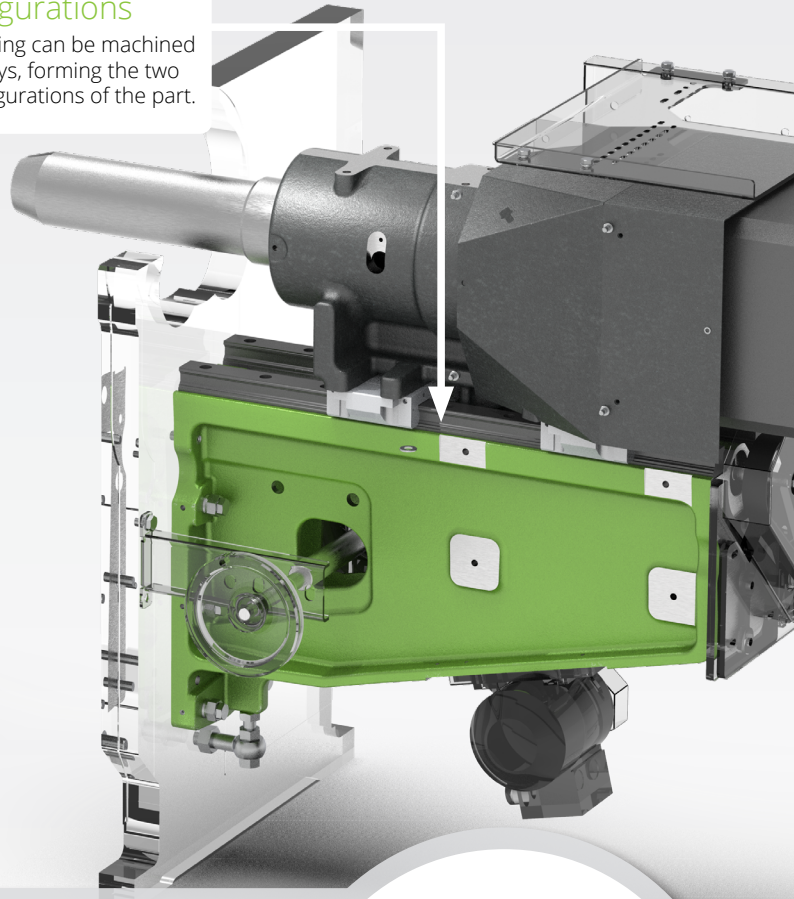
## Point of departure

All of our clients are experts in their own industry. Together with the client, EDS is able to design a component that fits the needs and wants of the client. This project was commenced after a client decided to replace a welded construction with a casted part.

This product could be improved by reducing weight and decreasing necessary machining wherever possible. Furthermore, both versions of the product could be combined into a single casting.



**Two configurations**  
The same casting can be machined in different ways, forming the two different configurations of the part.



RESULTS



**41% Weight reduction**  
From 128 kg in steel to 76 kg in gray cast iron

**55% Cost reduction**  
Saving costs by improved machining options, combining configurations and lowering weight.

**100% Fit into requirements**  
The new design lived up to the requirements set by the client, meeting the set targets for costs, weight and decreased deformation.

