

# Bearing houses

of a large printing press

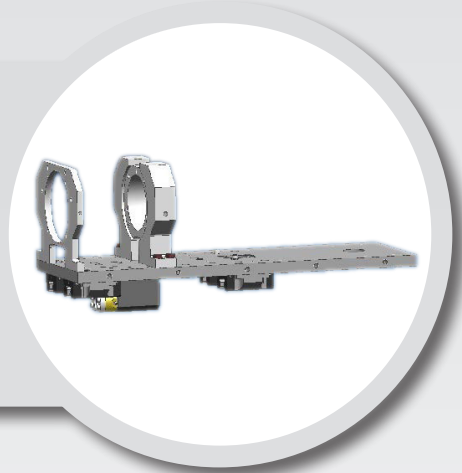
## Redesign of two bolted constructions into a single sand-casting

PROJECT

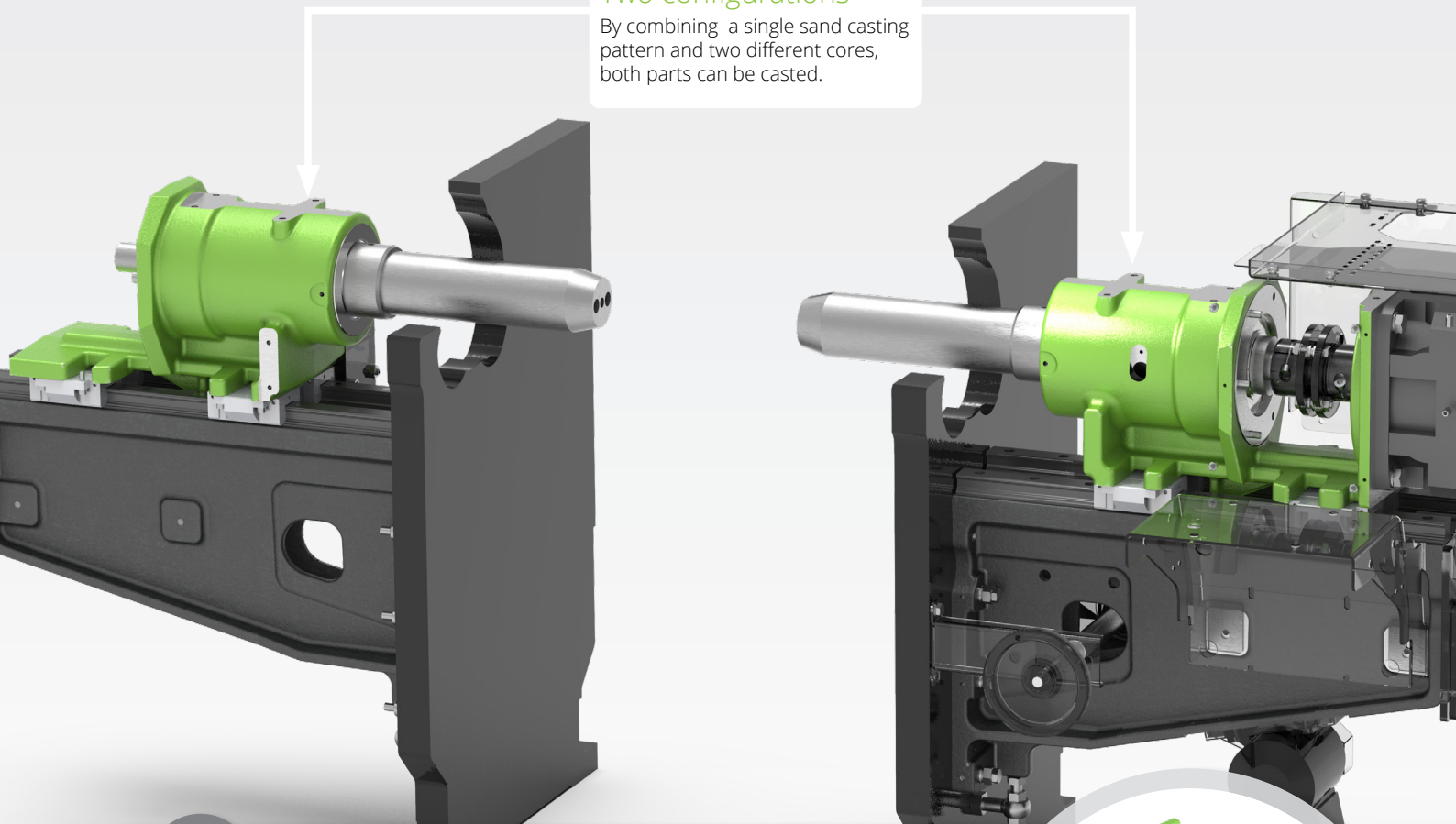
### Point of departure

All of our clients are experts in their own industry. Each of them is capable of manufacturing machines that deliver the performance that is needed. Together with the client, EDS specializes in metal manufacturing, focusing on casting and forging. With this knowledge EDS is able to design an optimal casting.

This client wanted to redesign an assembled product into a single casting. With EDS' expertise on metal products, the challenge was to create a design that supported two configurations of the product into a single casting pattern.



**Two configurations**  
By combining a single sand casting pattern and two different cores, both parts can be casted.



RESULTS



**44% Weight reduction**  
From 90 kg steel to 50 kg cast iron



**52% Cost reduction**  
Saving costs on casting by innovative use of cores and design



**100% Fit into requirements**  
The huge weight saving and smart design of the casting and cores show EDS' expertise in designing casted parts

