

Axle bracket of a large forage harvester

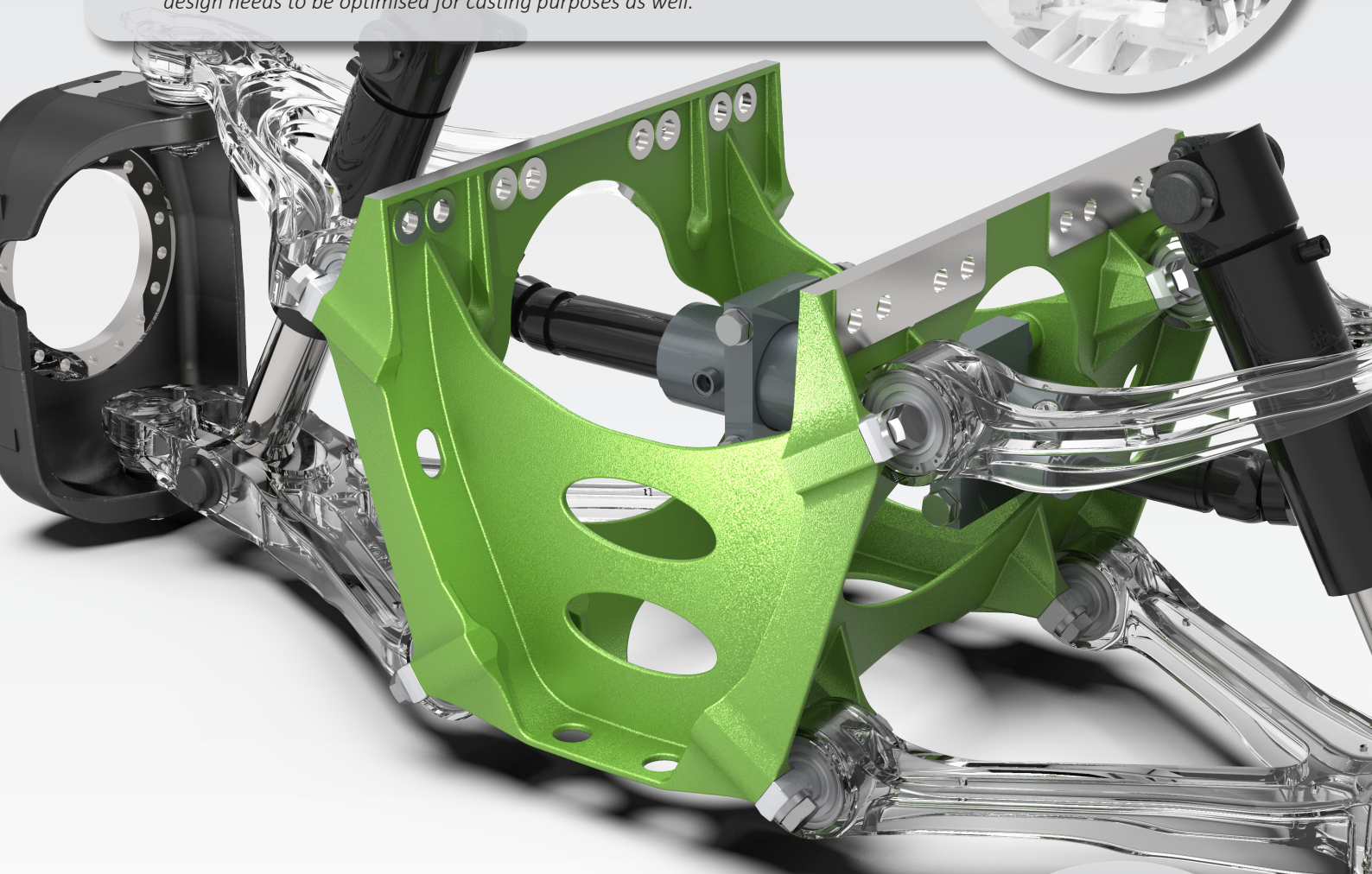
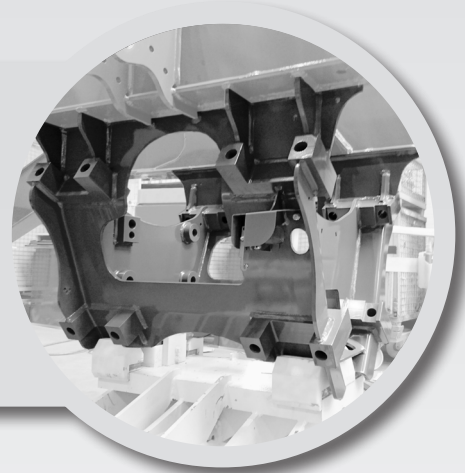
Development of a detachable rear axle suspension bracket

Point of departure

The machine harvests different kinds of greens throughout a great diversity of environments in Europe. With temperatures ranging from -20 to + 50°C.

Currently, the suspension bracket is welded to the main frame of the machine. The client wishes to create a detachable connection in the bracket, so different types of brackets can be used when a different axle system is needed.

The engineers at EDS need not only create a new way of assembly, the current design needs to be optimised for casting purposes as well.



31%

Weight reduction

From 134 kg in steel to 92 kg in ductile iron



∞%

Improved assembly time

The new design enables the possibility to coat and assemble almost the entire suspension system before attachment to the harvester



100%

Fit into requirements

Reduced weight and an innovative way of assembly save costs and allows the axle bracket to be easily interchanged whenever desired



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