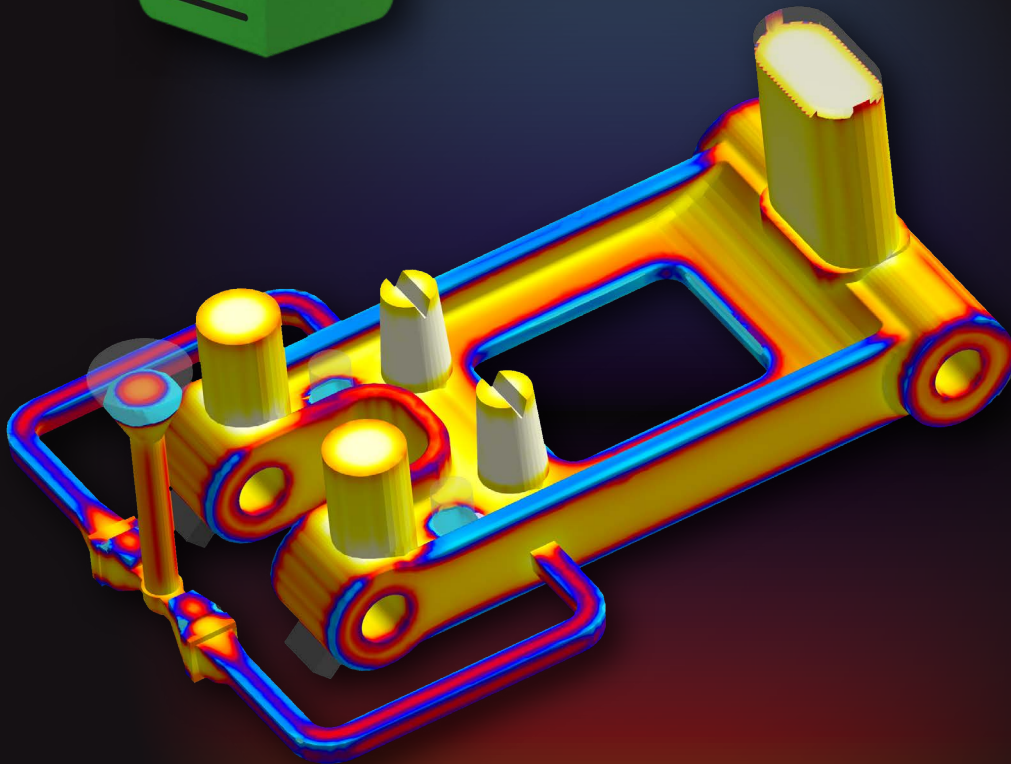


# Overengineered!?!

## MAGMA ECONOMICS

Technically Sound, Economically Smart.



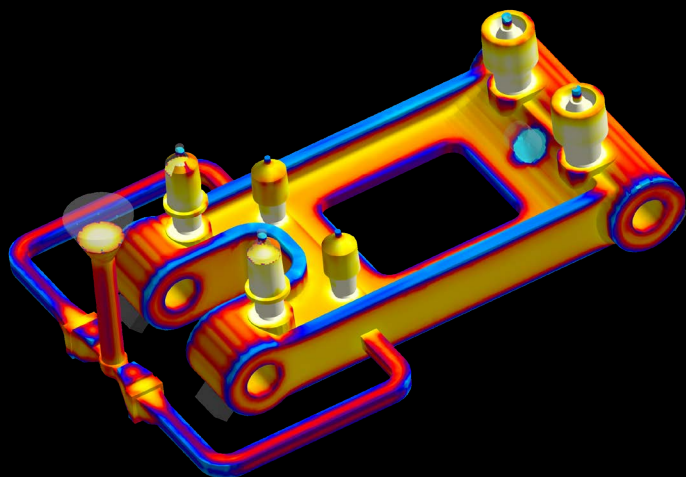
**12,600 €  
saved!**





# MAGMA ECONOMICS

Reduce **Cost** & **CO<sub>2</sub>**.  
Secure **Quality**.



## PROJECT PARAMETERS:

- **Product:** Verbindungselement
- **Process:** sand casting, horizontal molding line
- **Metal:** cast steel, GS20Mn5
- **Casting weight:** 299 kg
- **Production volume:** 100 parts/year
- **Feeders:** insulating vs. exothermic
- **Return material:** 148 kg vs. 84 kg



## WITHOUT MAGMA ECONOMICS

## WITH MAGMA ECONOMICS

QUALITY:



OK

0.0 %

No change

OK

COST:



1038 €/part

-12 % pro Stück

Δ 126 €/pt. saved

912 €/part

CO<sub>2</sub>  
EMISSIONS:



229 kg of CO<sub>2</sub>

-9 %

CO<sub>2</sub> reduced

209 kg of CO<sub>2</sub>

Total savings:  
**12,600 €**

**MAGMA ECONOMICS** identifies savings potentials throughout the entire process – from **design variants**, to **casting systems**, to **process parameters**.

Become more cost-efficient and sustainable – without quality risk.

The complete story:

