

Overengineered!?!

MAGMA ECONOMICS

Technically Sound, Economically Smart.



**85,000 €
saved!**

MAGMA

Committed to Casting Excellence

MAGMA ECONOMICS

Reduce **Cost** & **CO₂**.
Secure **Quality**.



PROJECT PARAMETERS:

- **Product:** Outboard Gear Case Housing
- **Production volume:** 100,000 parts
- **Casting weight:** approx. 9.4 kg
- **Cycle time:** 80 sec.
- **Quality requirement:** 0.95 % porosity
- **DOE:** 16 possible casting system designs



WITHOUT MAGMA ECONOMICS

WITH MAGMA ECONOMICS

QUALITY:



OK
0.91 %

+0.02 %

Within specification

OK
0.93 %

COST:



36.22 €/part

-2.3 % per part

Δ 0.85 €/pt. saved

35.37 €/part

CO₂
EMISSIONS:



6.566 kg of CO₂

-3.9 %

CO₂ reduced

6.308 kg of CO₂

Total savings:
85,000 €

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:

