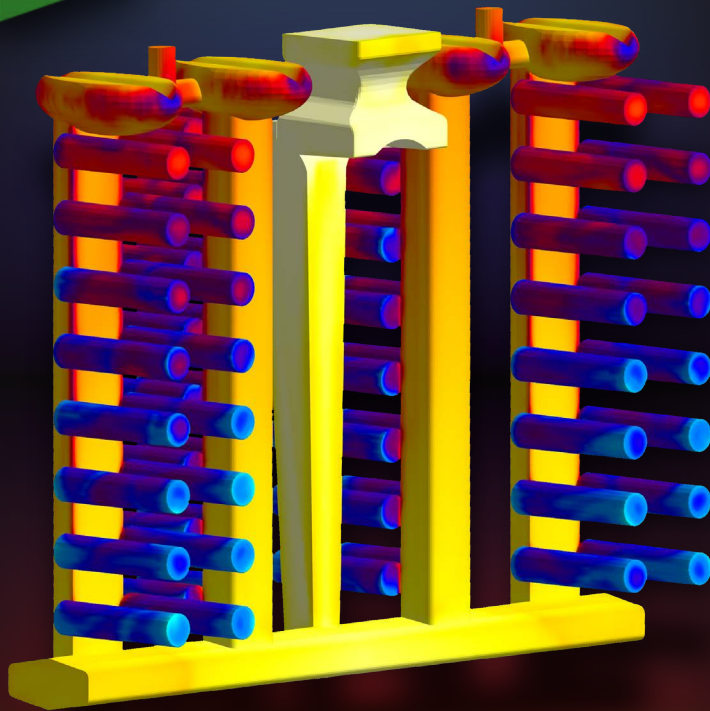


Overengineered!?!

MAGMA ECONOMICS

Technically Sound, Economically Smart.



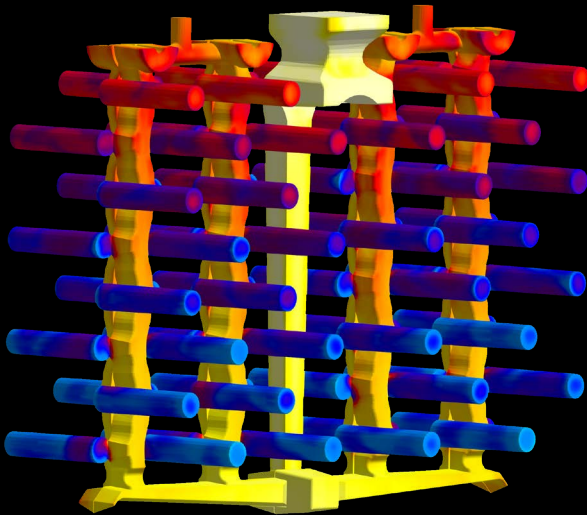
**10,000 €
saved!**





MAGMA ECONOMICS

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



PROJECT PARAMETERS:

- **Product:** Guided Cylinder
- **Process:** sand casting, vertical molding line
- **Metal:** gray cast iron, GJL-350
- **Casting weight:** 0.33 kg
- **Production volume:** 500,000 parts/year
- **Cavities per mold:** 64
- **Cycle time:** 10 sec. vs. 13.5 sec.
- **Return material:** 31 kg vs. 21 kg



WITHOUT MAGMA ECONOMICS

WITH MAGMA ECONOMICS

QUALITY:



OK

0.0 %

No change

OK

COST:



0.22 €/part

-10 % per part

Δ 0,02 €/pt. saved

0.20 €/part

**CO₂
EMISSIONS:**



0.366 kg of CO₂

-14 %

CO₂ reduced

0.314 kg of CO₂

Total savings:
10,000 €

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:

