

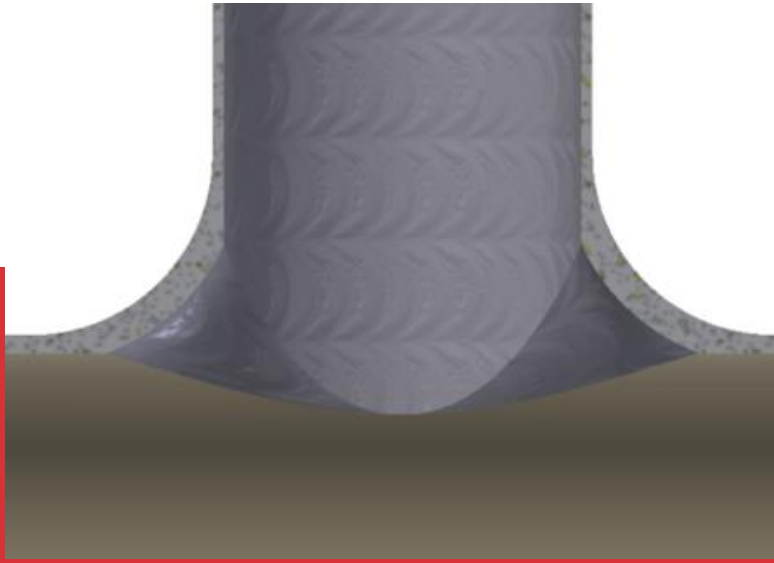


ADDITIVES SCHWEISSEN



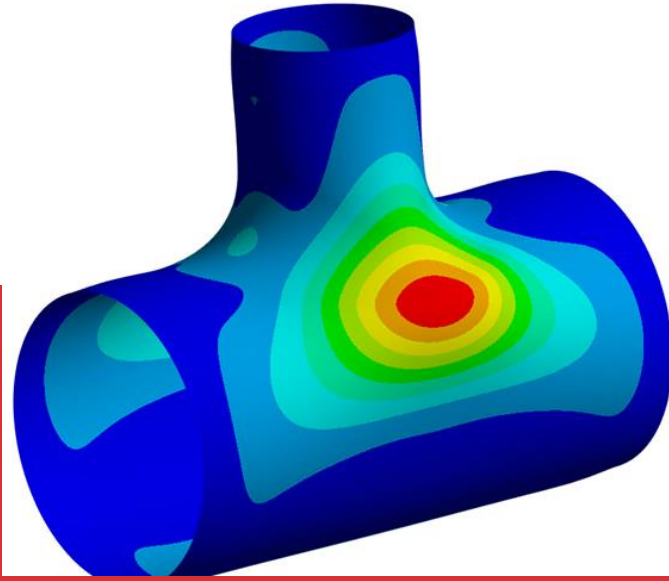


Qualification of a tube branch



Flow & pressure optimized
Thickness variation (sidewall)
Different ellipse diameters

Very difficult to produce
conventionally



By simulating the local
pressure conditions,
additional additive material
is deposited to increase the
safety factors and deal with
potential weak spots.

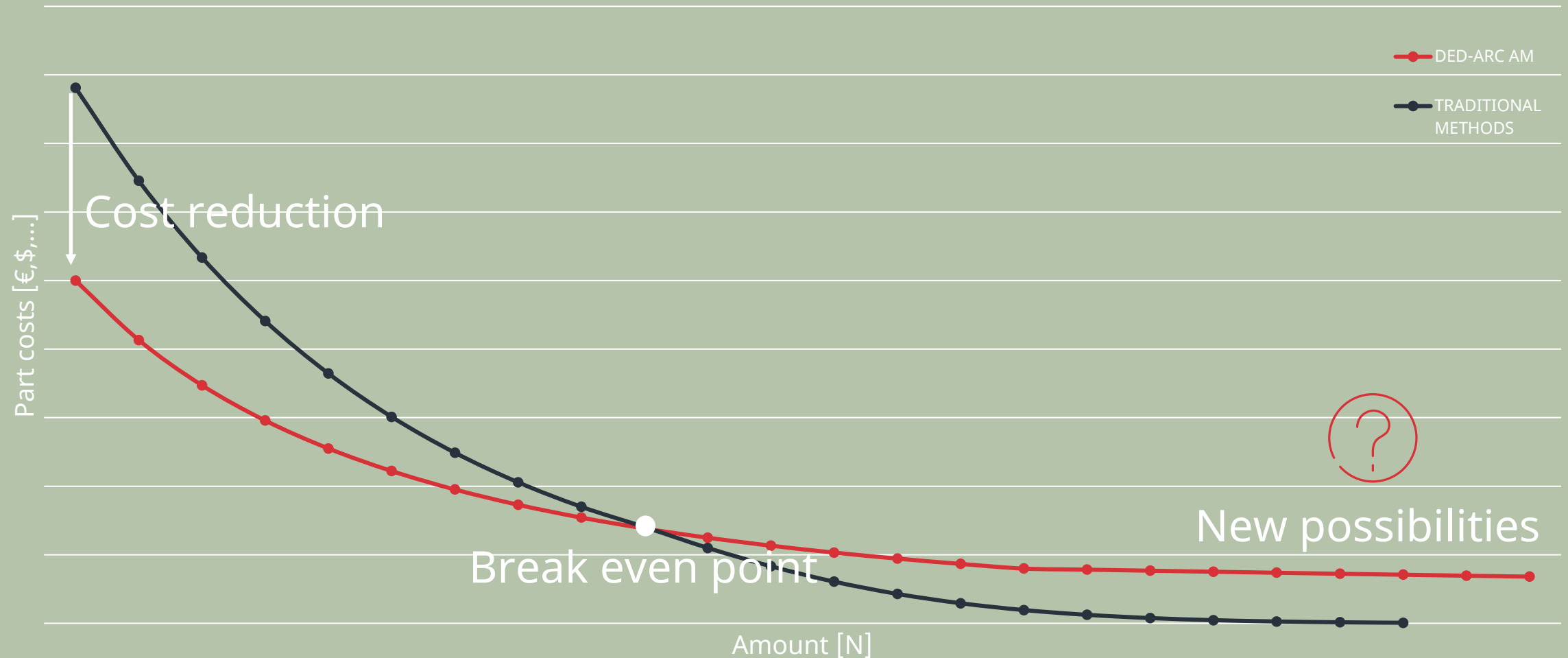


Material: AW 5083 \varnothing 1.2mm
AlMg4.5Mn

Wallthickness of up to 14mm

4kg deposited in 70 layers
with 3h 26min Arc-On time

Part Costs vs Amount



Additive Manufacturing





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