

Profiroll on its way to become a green company



New production facility for dies

Annualy

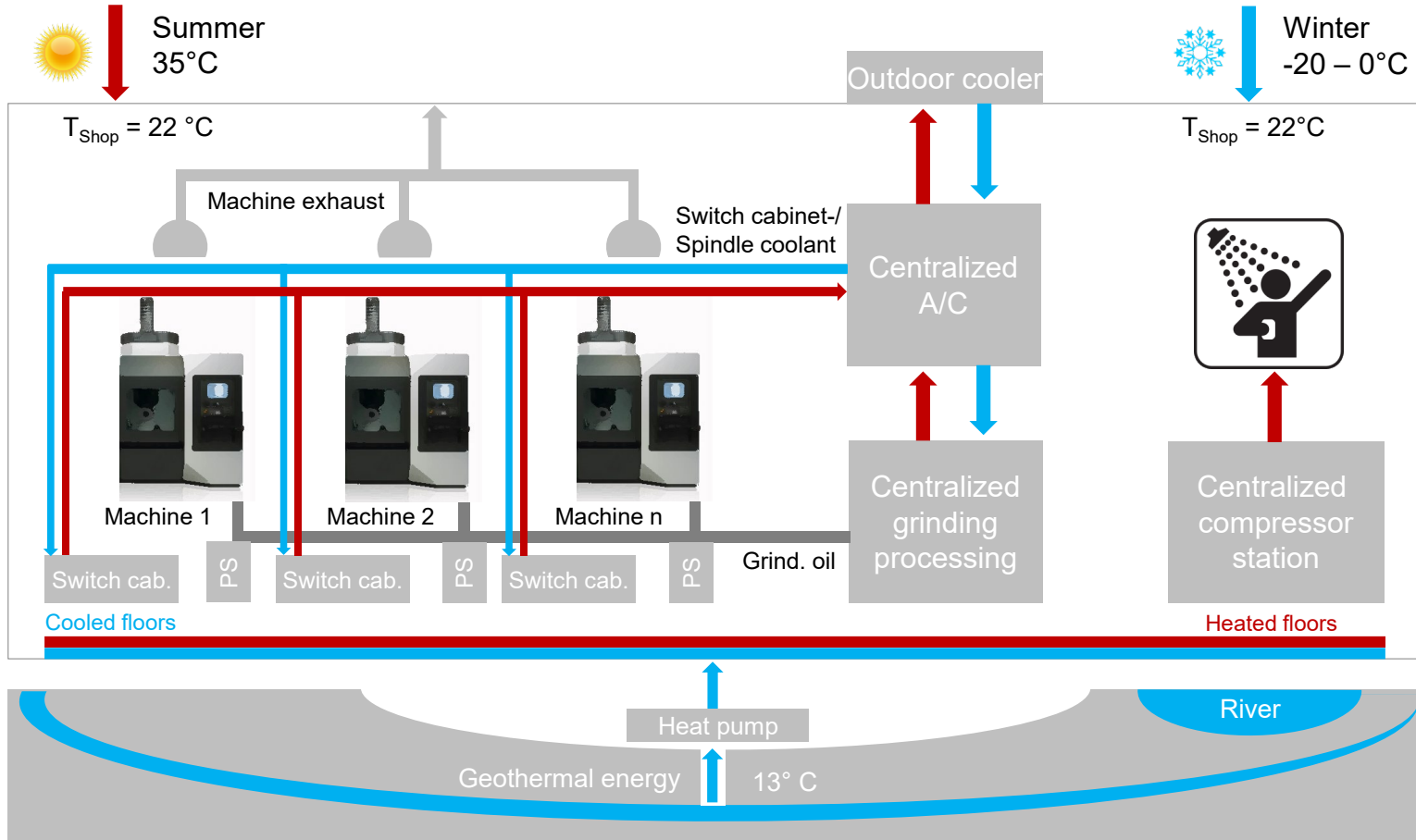
- 2.050 MWh less usage of electricity
- 966 tons less CO2



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New production facility



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New production facility

Energy Management




- 96.000 kg CO2

Photovoltaic



- 300.000 kg CO2

Geothermal Energy



- 165.000 kg CO2

Centralized A/C and processing




- 365.000 kg CO2

LED lighting & daylight sensors



- 26.000 kg CO2

Heat recovery



- 14.000 kg CO2

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New production facility

Energy consumption conventional	Electricity	Gas	
Annual energy consumption old production	3.300 MWh	64.000 m³	
Energy savings	Electricity	Gas	CO2
Centralized lubrication & A/C incl. Outdorr cooler for production	- 900 MWh	-	- 365.000 kg
Heating via geothermal energy	+ 92 MWh	- 57.000 m ³	- 77.000 kg
Cooling via geothermal energy	- 220 MWh	-	- 88.000 kg
LED lighting incl. daylight sensors	- 65 MWh	-	- 26.000 kg
Heat recovery			
- Compressor heat for heat and warm water	-	- 7.000 m ³	- 14.000 kg
- Shop ventilation via cross heat exchanger			
Energy saving projects			
- Reduction of compressed air consumption	- 240 MWh	-	- 96.000 kg
- Improvement of ventilation			
- Introduction of „sleep mode“ during production breaks			
Energy consumption April 2022 – April 2023 & CO2 savings	2.000 MWh	0 m³	666.000 kg
Electric power generation	Electricity	Gas	CO2
Usage of a photovoltaic system 1. stage	- 750 MWh	-	- 300.000 kg
External energy consumption April 2022 – April 2023	1.250 MWh	0 m³	
Savings of new production facilities	62 %	100%	966.000 kg

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Further actions

Recycling of 70.000 kg
Grinding dust & grinding discs



20 electric chargers
for electric cars and bikes



Bee hives and sheep farming
on approx. 7.000 m²



Annual Clean-Up Day
in the Mulde region

