

SAFETY IS GREEN

GREEN.
SUSTAINABLE.
ENVIRONMENTALLY CONSCIOUS.

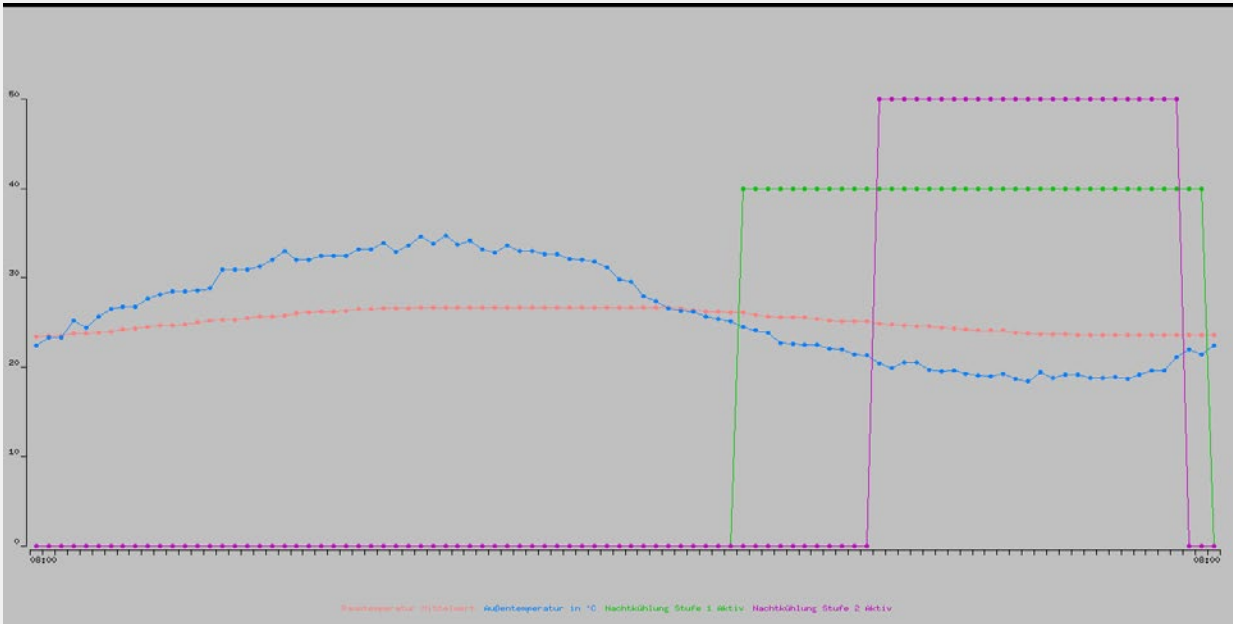


SAFETY IS GREEN – OUR EFFICIENT PRODUCTION FACILITY

Our new production facility is highly energy efficient by using the latest technologies. The main saving factors are detailed in this document.

Night Cooling

Thanks to night cooling with its configuration and controlling (automatic setting of bottom tilt windows and roof domes), cooling systems are not required and energy is saved.



Automation of Hall Technology (using the example of plastics)

Our machines are automatically preheated via the machine control so that they are at the right temperature when they are needed. This guarantees peak current load optimization.

The necessary supplies (electricity, compressed air, lighting) are activated or deactivated via the shift model aiming to reduce leakage and energy losses during idle times.

The cold water switching function provides the necessary cooling for the machines in good time (for the smaller machines) or on request (machines 1 to 4.)

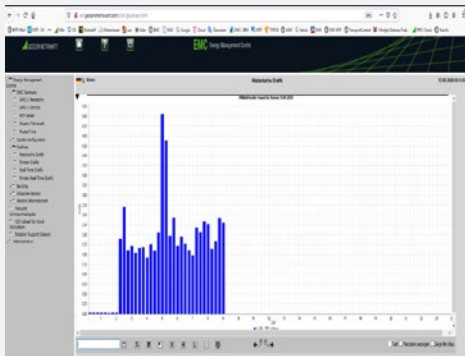


Energy Monitoring

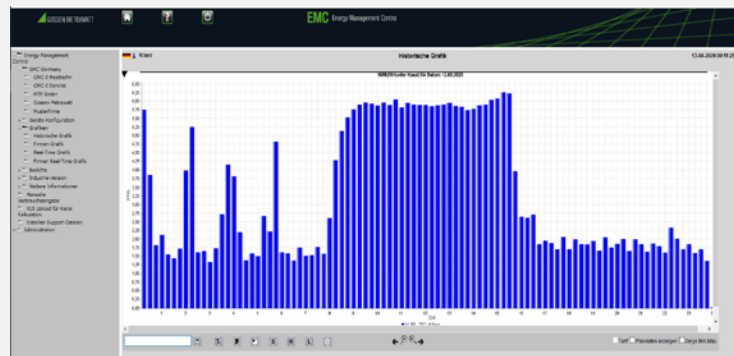
The settings can be checked for effectiveness via the integrated energy monitoring and possible savings can be extrapolated. Attached is an example of single-shift operation in the air-conditioning area, with and without power shutdown (automation).

Single-Shift Operation

with energy monitoring:





without energy monitoring:



You can easily see that the energy consumption was regulated through energy monitoring. With this method, we achieve energy savings of up to 40 %.

GMC INSTRUMENTS

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