

SEV - South Tyrolean Energy Union

Best practice Hydraulic balancing

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About us







- 294 members * 114 hydropower plants
 * 46 district heating plants
 * 149 photovoltaic installations
 - * 192 enterprises
 - 33 municipalities
 - public bodies
 - ✤ 80 co-operatives
 - consortiums











What is Hydraulic Balancing?

Why is it important?

Buildings – Municipality – District heating plants







Selection of 2 big schools

→ Each school has approx. 500 radiators

Estimated investment	Effective investment
approx. € 20,000 per school	Approx. € 30.000 per school







Best practice in Laas – DHP Leeg









Best practice in Laas – DHP Leeg





School of Laas



District heating plant Leeg









Partner





SEV

Optimization of the return temperature



Return temperature before optimization













Hydraulic balancing









Hydraulic balancing









Predicted cost savings per year 15-18% per year

Cost saving estimate in the business plan 13% per year (more realistic)

→ Something unforeseen happened







Optimization of the return temperature Hydraulic balancing



→ Return of investment: 5 to 8 years







Thank you for your attention!

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