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# Reaching new heights in the Austrian Alps

The breathtaking scenery of the Austrian Alps is often associated with skiing, hiking, and a singing family, immortalised in a 1960's Hollywood musical. Encompassing a great deal of these high-altitude wonders is the 1,800 square km Hohe Tauern National Park. The provision of adequate drinking water to the livestock grazing these majestic slopes presented a major challenge to park staff. It is, after all, not a place where mains connections are readily available. As the logical choice for water supply in remote areas such as this, a Grundfos SQFlex system was recently installed – at almost 2,200 m above sea level.

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**TOPIC:**

Reaching new heights in the Austrian alps with a Grundfos SQFlex Solar

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**LOCATION:**

Hohe Tauern National Park, Austria

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**COMPANY:**

Hohe Tauern National Park

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## The Situation

Grazing livestock on the Austrian mountainsides of the Hohe Tauern National Park needed a dependable source of drinking water. Without natural watering holes or electricity, but with plenty of daylight, the conditions match the SQFlex concept perfectly.

## The Grundfos Solution

Grundfos GF 43 Watt thin film solar cells harness the rays of the sun, providing the power to an SQFlex Solar installation. Utilising the solar cells, special ability to produce energy even in the absence of direct sunlight, the SQFlex Solar solution delivers cool water to a trough 400 m from the well. Water is lifted a total of 120 m through a 1" pipe, until flowing into the trough.

## The Outcome

The livestock of Hohe Tauern are provided with a reliable and inobtrusive water supply, ensuring and enhancing their ability to produce milk used in local products. The staff of this unique park enjoys an economically agreeable, environmentally friendly, and dependable pump system. The entire project has even

been submitted to the European Union for recognition within preservation of natural resources.

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## Related Products



**SQFLEX RENEWABLE ENERGY SOLUTION –  
SUBMERSIBLE PUMPING SYSTEM**  
Grundfos' renewable energy solution – the SQFlex  
submersible pumping system