

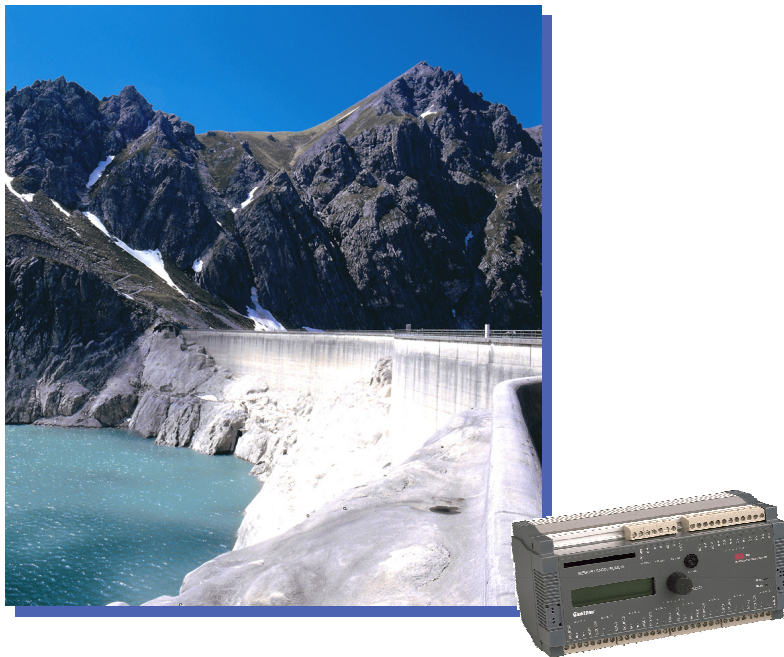


Vorarlberger Illwerke AG

Dam monitoring at a mountain water reservoir

At cement injections in to the rocky ground under the dam basement area for a stabilization of the dam, high pressures are necessary to reach the aimed effect. On the other hand must be guaranteed that due to the injection pressure a lifting of the dam will be avoid.

For that reason at all the barrier blocks a disposition has to be controlled by the data logger IDL 100, to stop the injection in case of danger. The disposition has to be measured with a resolution of 0,1 arch sec (=36000 part of a arch degree), to be supervised and to be stored in the logger during the process.



The data logger IDL 100 has to be selected because

- very precise measurements are reached.
- a high number of measuring points can be measured
- a sufficient number of measurements could be stored.
- a stable and robust fieldbus connection over long distances is possible.
- the price performance relation fits perfect.

