



## BUILDING, ACTIVATING, REGENERATING AND RENOVATING WELLS

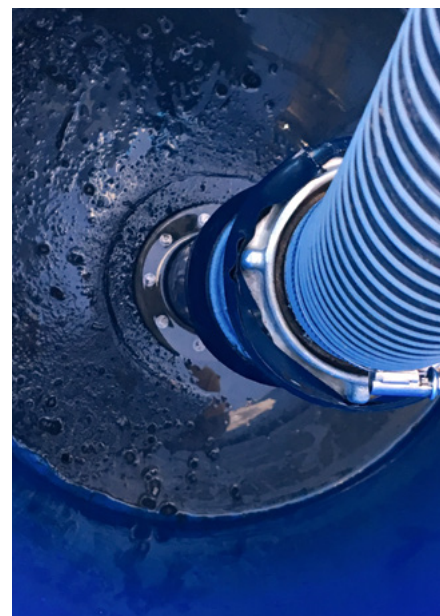
### WE NEED WATER – AND WATER NEEDS US

**With the growing understanding that water is a raw material and a food to be protected, the requirements for dealing with this essential element are increasing too. Modern concepts and technologies are therefore required to keep meeting the demands of society and legislators.**

Time changes the physical and chemical properties of a well, its output can drop sharply, and risks to health and the environment might increase. Those who own or are responsible for a well therefore have a great responsibility.

As a well construction company with many years of experience, we are very familiar with the life cycles and aging processes of wells. Performance-reducing sludge, iron hydroxide deposition, deposition of fine particles and incrustations are signs of the aging process that change exponentially and form a damage chain which affects all elements of a well.

With regular checks and early diagnoses, it is possible to carry out a professional regeneration of wells in a targeted and timely manner. This reduces follow-up costs and pump failures, and even failure of the entire system can be avoided.



#### DATA AND ACTS WITH DEPTH

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## OUR EXPERTISE ENSURES THAT WATER REMAINS THE SOURCE OF LIFE

### Professional Well Construction

Drilling for water exploration and exploitation for drinking water and sanitary water wells are our specialty. Depending on the geology, we use a variety of adapted drilling methods. The well structure is built according to requirements as per the accurate planning, and the well is activated with great care.

### Well Regeneration and Renovation

A detailed inspection and measurements determine the most appropriate method for regeneration. With cutting-edge technology and powerful equipment, we are able to restore the performance of a well.

If the well can no longer be regenerated, we will also suggest renovation concepts. Liner renovations followed by blast shocks are common.

### Well Service for Trouble-Free Operation

Regular state analyses are the only way to ensure an effective and trouble-free well operation. This also enables early detection of damage.

#### Status Analysis/Inspection

- Measurements, pump tests for recording the hydrological parameters
- Biological tests and diagnoses
- Documentation of the actual state
- Supplement to operations logbook
- Video camera inspection

#### Maintenance

- Well sump pumping with an airlift (Mamut pump)
- Piston and brush cleaning of filter sections, etc.

#### Service

- Removal of deposits from the well annulus and the adjacent aquifer
- Monitoring