## ***Ecolift* – the alternative to classic lifting stations** Hybrid lifting stations for use with gravity sloped drainage pipes save operators electricity and costs

KESSEL AG is the only manufacturer to offer hybrid lifting stations. The *Ecolift* hybrid lifting stations are designed for use when there is sufficient slope to the sewage system. If this requirement is met, they can be used for the same areas as a classic lifting station. Under normal operation, *Ecolift* uses the natural gradient (wastewater simply flows through the *Ecolift*); only during backwater the backwater flaps close (protecting the building from flooding) and wastewater is pumped against the back-water via a pressure pipe into the sewage system. In contrast to classical lifting stations which pump continuously, this means a significant saving of electricity and thus costs for the operator. “*Ecolift* is the best solution, both in ecological and economical terms”, explains Roland Priller, Head of Innovation Management / Standardisation at KESSEL.

**Drains even during a power failure**

Hybrid lifting stations are suitable for use in single-family homes, as well as for large volumes of wastewater in the XL version. Even in the event of a power failure, the *Ecolift* ensures reliable drainage. In this case, the wastewater is dis-charged into the sewage system via the slope of the drain-age piping. “*Ecolift* is the only lifting station that also drains without electricity. This is particularly important for use in commercial buildings, where operation without interruption is often required”, explains Priller. Thanks to the battery buffering, sufficient safety is ensured even in the event of a prolonged power failure. If the battery buffering’s voltage falls below a corresponding limit value after a longer period of time, the electric motor-driven backwater flaps are closed with the remaining battery voltage. In this way, the building is even protected against backwater under such circumstances.

**Unlimited use**

The integration of *Ecolift XL* in the engineering chambers according to approval Z-42.1-527 opens up a host of universal installation possibilities: free-standing, cast into the floor slab or installed in the ground. The hybrid lifting station can be used for faecal and faecal-free domestic wastewater, rainwater, commercial wastewater from light liquid and grease separators. You can find more about hybrid lifting stations at www.kessel.com

**This is KESSEL**

Since 1963, KESSEL has stood like no other company for quality, innovation, safety and service in the field of draining technology. As a premium international provider and industry pacesetter, we continuously strive to ensure that our vision is always open to new ideas: KESSEL – Leading in drainage.

**Photo sheet:**

*“Ecolift XL”*

Source: KESSEL AG



Installation example of *“Ecolift XL”* free standing.

Source: KESSEL AG