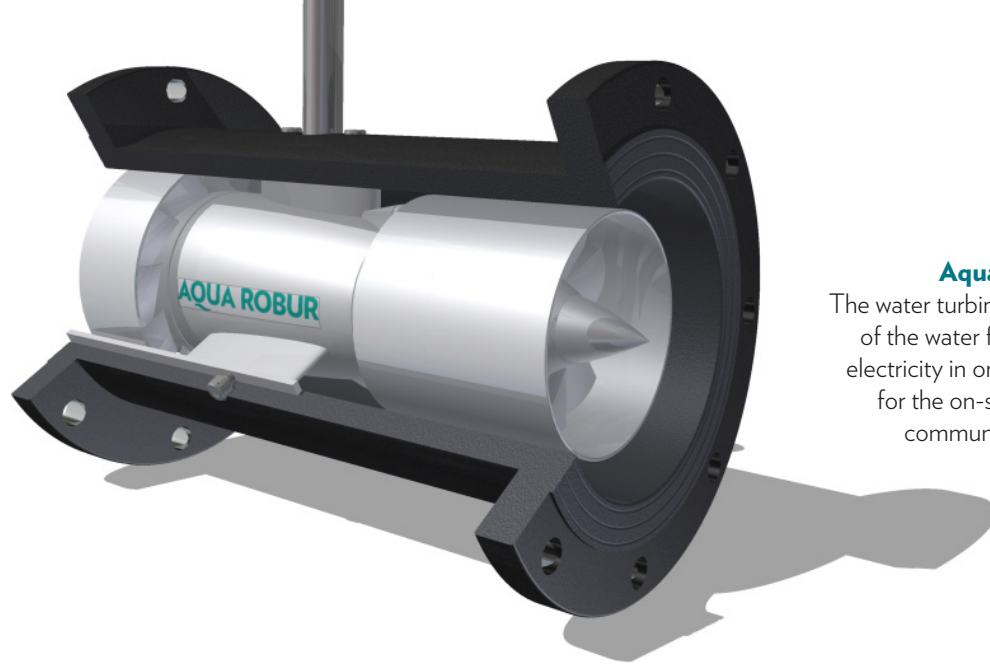


AQUA ROBUR

The micro hydro turbine that harvests in-pipe energy to power leakage detection and data transfer devices in public water pipelines and industries.

For more information visit www.aquarobur.se and contact our CEO **Niklas Johansson**: niklas@aquarobur.se, +46 709 72 46 69



Aqua Pro Site™

The water turbine turns a small amount of the water flow in pipelines into electricity in order to provide power for the on-site measuring and communication devices.

	GRID CONNECTION	BATTERIES	AQUA PRO SITE™
Can power other equipment on-site	+	-	+
Real time data transfer	+	-	+
Measuring enabled in inaccessible areas	-	+	+
Lean, "no-dig" implementation	-	+	+
Reliable, durable power supply	+	-	+

Can power other equipment on-site	+	-	+
Real time data transfer	+	-	+
Measuring enabled in inaccessible areas	-	+	+
Lean, "no-dig" implementation	-	+	+
Reliable, durable power supply	+	-	+

THE NEED

Currently 20–25% of the fresh water produced is lost due to leakages in the pipelines. **Billions of Euros are wasted each year in Europe.** In order to detect leakages, smart and wireless metering systems are being installed throughout the pipe network. However, the greatest hinder to this development is the power supply for the metering. Today's solutions are expensive and inconvenient.

OUR SOLUTION

Aqua Robur provides a ground-breaking approach when it comes to power supply within the water infrastructure through its **urban micro hydro system**, which converts a small part of the water flow into electrical energy. This enables the installation of a sufficient number of meters in the right spots of the pipelines to fight leakages.

TECHNOLOGY

Aqua Robur turbine technology is covered in a **Swedish patent** and has **EPO patent pending**. The turbine has unique properties such as small size, scalability and capability to generate electricity within variable flows. These advantages of the micro hydro turbine technology open opportunities to develop **competitive in-pipe applications** for water infrastructure.

TEAM

The diverse, multinational team driving Aqua Robur has a background and experience in business development, finances, mechanical engineering, design, R&D and managing renewable energy systems. Started 2014 as a venture at the incubator of the Chalmers School of Entrepreneurship, Aqua Robur has **access to knowledge hub** of Chalmers University of Technology.