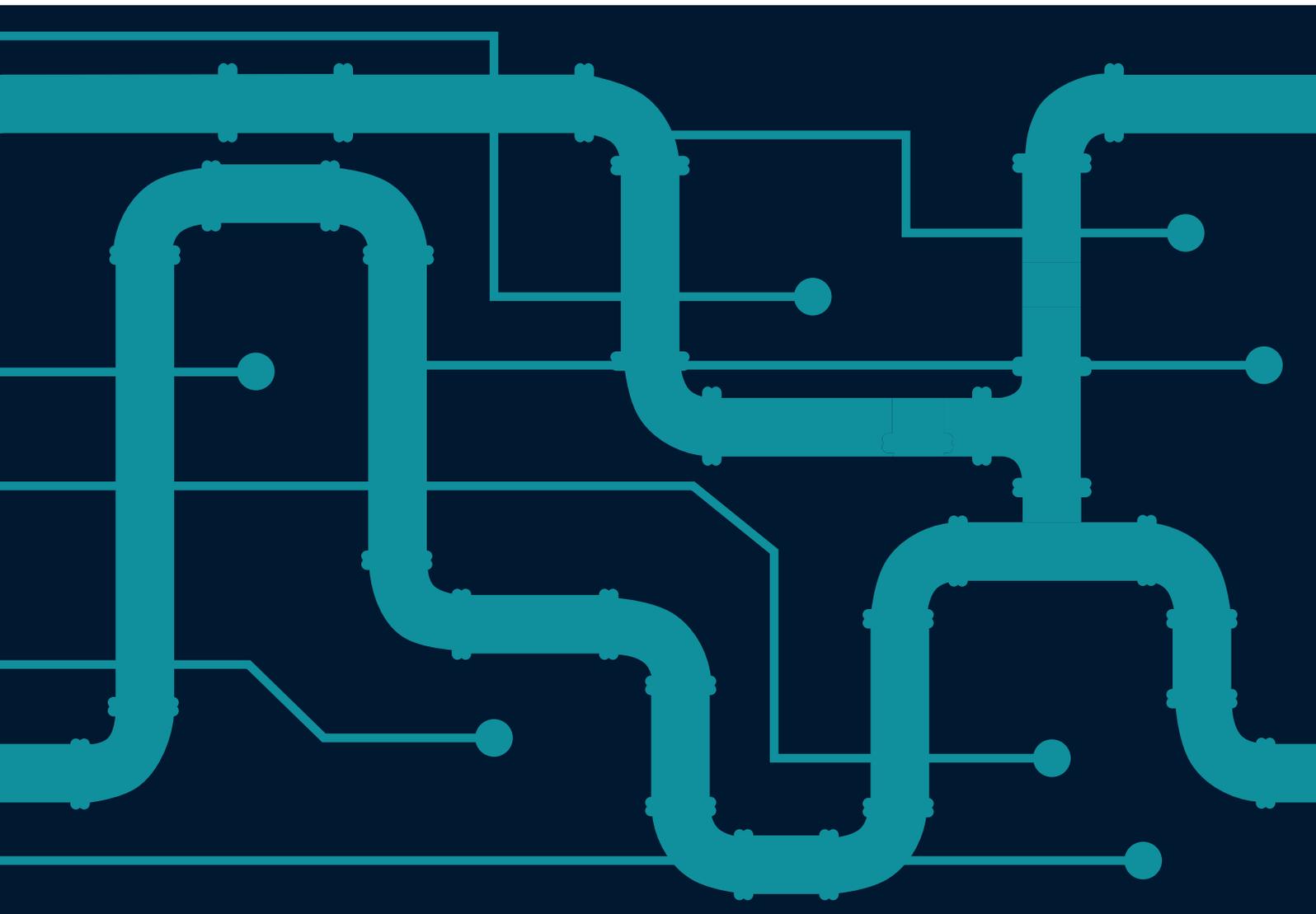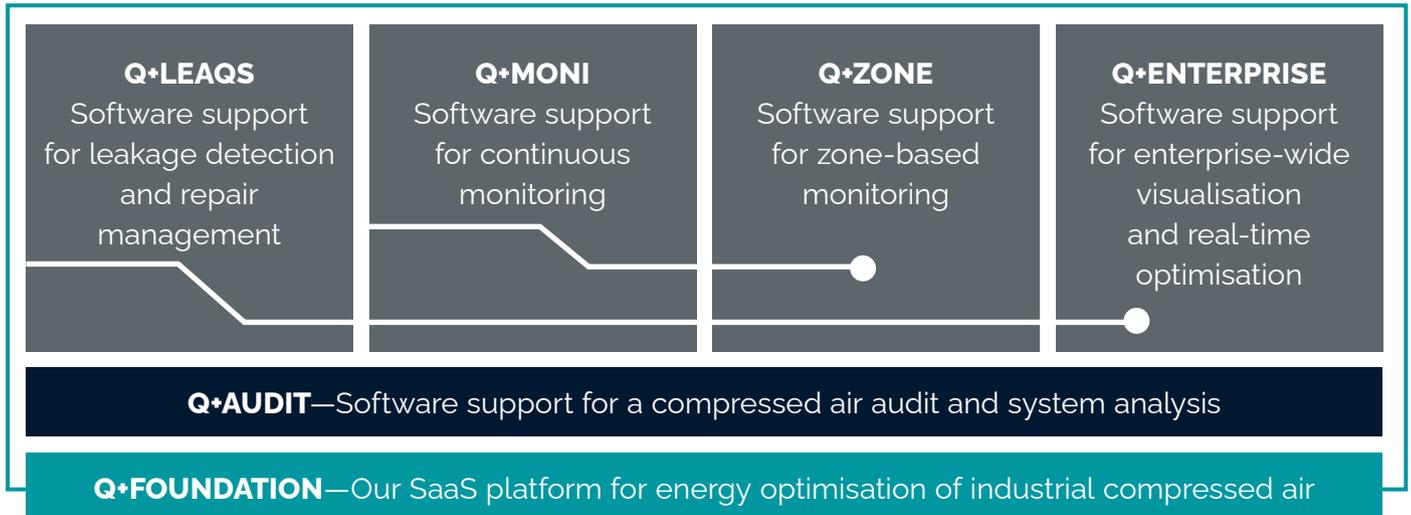# Reduce your carbon footprint. Reduce compressed air leakage.

The cheapest and fastest way to reduce the carbon footprint of your industrial compressed air system is to reduce leakage.

Compressed Air Services

The Enersize Software-as-a-Service suite for energy optimisation of industrial compressed air

Q+LEAQS
Software support for leakage detection and repair management

Q+MONI
Software support for continuous monitoring

Q+ZONE
Software support for zone-based monitoring

Q+ENTERPRISE
Software support for enterprise-wide visualisation and real-time optimisation

Q+AUDIT—Software support for a compressed air audit and system analysis

Q+FOUNDATION—Our SaaS platform for energy optimisation of industrial compressed air

The Enersize game-changing platform

An extraordinary convergence of digital transformation and modern technologies like SaaS, Internet of Things (IoT), AI and Machine Learning has created a unique opportunity for organizations to take a substantial leap forward to address the energy savings opportunity in their industrial compressed air systems.

We view our capabilities in terms of how they help our customers

Our SaaS platform for compressed air optimisation is designed to allow maximum flexibility so that people can audit, survey, repair, and monitor industrial compressed air systems the way that is best for them. They can change and configure services by connecting and creating zones across the facility or consolidating data from multiple sites across the enterprise.

Audit

Our audit & analysis software suite supports the way your organization audits both its energy consumption levels and the costs of the compressed air system.

Survey and repair

Throughout your leakage detection survey, our leakage management software suite supports people in their work to grade and document leaks.

And when you initiate repairs to those leaks, we support their prioritization and project management.

Monitor

Continuous surveillance of your compressed air system with our monitor software suite helps people define optimal maintenance intervals, monitor flows and keep leakages at an acceptable level < 10%. We support people in creating zones across the facility as well as to consolidate data from multiple sites across the enterprise.

At Enersize, we give people the flexibility and freedom to maintain efficiency and productivity of their industrial compressed air system, with a proven objective of reducing energy consumption and their organization's carbon footprint.

The cost of doing nothing?

A detailed look at the savings potential for leakage repair in compressed air systems

How much money is lost, if you delay repairs?
Example from The U.S. Department of Energy (translated into European standards).

A chemical plant undertook a leakage prevention program following a compressed air audit at their facility. Leaks, approximately equivalent to different orifice sizes, were found as follows:

- 100 leaks of around 0.8 mm at 6.2 bars
- 50 leaks of around 1.6 mm at 6.2 bars
- 10 leaks of around 6.4 mm at 6.9 bars

Calculate the annual cost savings if these leaks were eliminated. Assume 8,000 annual operating hours, an aggregate electric rate in EU of EUR 0.1173/kWh[1], and compressed air generation requirement of approximately 0,11 kWh/m³.

Cost savings = # of leaks x leakage rate (m³/h) x C^2 (coefficient of flow) x energy consumption (kW/m³) x # of hours x energy cost ($/kWh).

Using values of the leakage rates from the above table and assuming sharp-edged orifices:

- Cost savings from 0.8 mm leaks =
  100 x 2.55 x 0.61 x 0.11 x 7000 x 0.1173 = €16,056
- Cost savings from 1.6 mm leaks =
  50 x 10.02 x 0.61 x 0.11 x 7000 x 0.1173 = €31,546
- Cost savings from 6.4 mm leaks =
  10 x 176.7 x 0.61 x 0.11 x 7000 x 0.1173 = €111,262

Total cost savings from eliminating these leaks =
€158,865

Note that the savings from the elimination of just 10 leaks of 6.4 mm account for almost 70% of the overall savings. As leaks are identified, it is important to prioritize them and fix the largest ones first.

How much compressed air is lost to leakage?
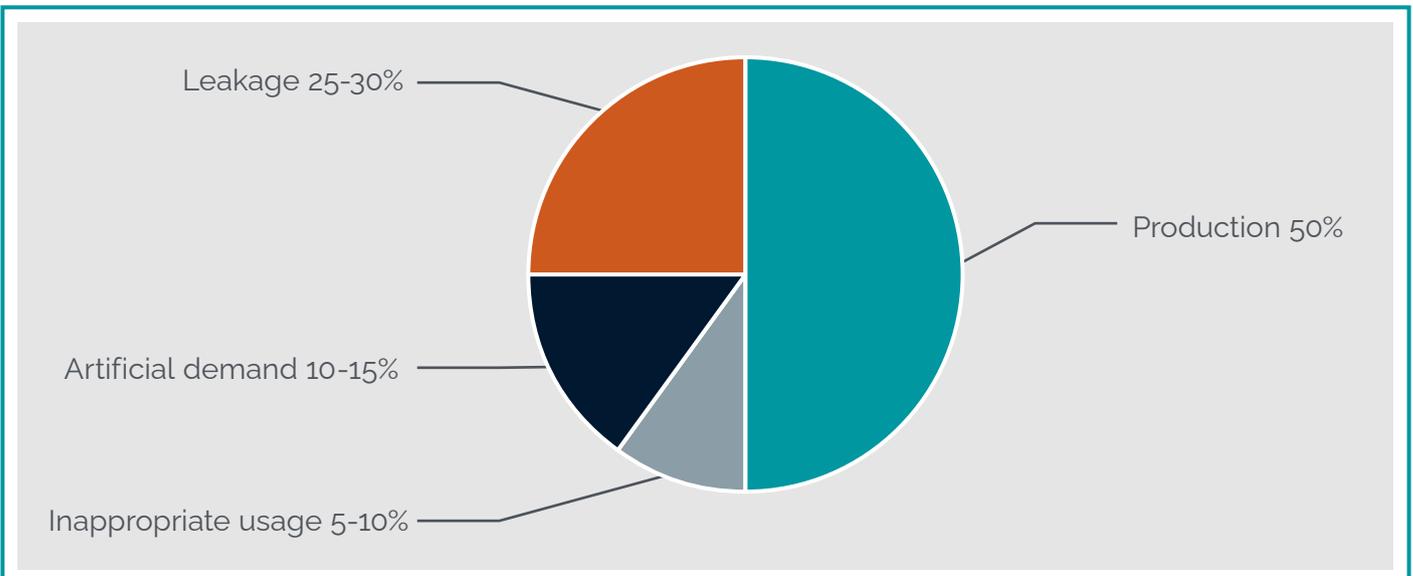
Leakage 25-30%
Production 50%
Artificial demand 10-15%
Inappropriate usage 5-10%

enersize

Enersize delivers smart software, tools and services for energy optimization of industrial compressed air.

Resulting from the merger of three Nordic companies, Enersize customers benefit from the heritage and experience of over 7000 projects.

Our expertise and the commitment of our people has made us a recognized global leader in compressed air efficiency software.

The company is listed on Nasdaq Stockholm First North Growth Market under the ticker: ENERS

For more information visit enersize.com