

# Patented Methodology and Full Control of Leakage – How We've Built a Technical Edge

In our previous newsletter, I spoke about the importance of building on what we have – our legacy, our technology, and our belief in what Enersize can become. That message sparked many thoughtful responses, but one recurring point stood out: that we haven't clearly explained *how* we actually make a difference. This is my answer to that.

What I'm sharing here isn't a news update in the traditional sense. The value lies in the summary of where our offering stands out – where we're doing something that very few others are capable of. What follows is a description of the technical depth that forms our backbone, our competitive edge, and our future.

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## Patented methodology: measure, visualize, allocate

Compressed air is one of the most energy-intensive utilities in industrial production – and one of the most overlooked. It's technically complex, sensitive to changing conditions, and often poorly monitored. That's why we've built a complete method, protected by three granted patents – the result of several years of work, now providing us with unique protection and a strong technical edge.

- **Modellation** – a simulation tool that builds a digital twin of the entire compressed air system, including compressors, piping, and pressure levels. It establishes an ideal operating mode and calculates consumption under different scenarios. Used to simulate changes before implementation – such as adding a variable-speed compressor or lowering system pressure.
- **Visualization** – provides a real-time overview of the compressed air system, using sensor data to show flow rates, pressure drops, and energy losses. The user gets a live graphical map where critical areas – such as oversized piping or leakage points – are color-coded and continuously monitored.
- **Fair Consumption** – calculates energy consumption per produced unit and adjusts results for changes in production volume. This allows us to prove whether an efficiency measure actually had an impact – even when production levels fluctuate.

Together, these three patents form a unique system for optimizing, monitoring, and allocating costs within compressed air systems. They don't just show where energy is lost – they reveal what's working, what's worth improving, and where to invest next. A full overview of the patent portfolio is attached to this newsletter (In Swedish).

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## Leakage control, built for real-life industrial settings

Leak detection has long been a fragmented activity: someone walks around with a detector, points to leaks, and often that's where it ends. We had a different vision. With Enersize LEAQS, we've built a full-scale system for detection, repair planning, and follow-up:

- **Product Identification Process (PIP)** – components that can't be identified on-site are documented in detail, including photos, operating pressure, electrical voltage, and connector type. We create a complete component list for post-analysis and ordering.
- **Computer Aided Leakage Management (CALM)** – each leak receives a unique action ID. We link it to spare parts, responsible personnel, repair status, and budget. The system produces real-time progress reports and delay analyses.
- **Reporting** – once repairs are completed, savings are visualized in terms of energy, cost, and CO<sub>2</sub>. Everything is broken down by component.

All of this is done using industrial-grade ultrasonic detectors combined with our proprietary software. It's a complete cycle — not just about finding leaks, but about enabling data-driven action.

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We often say that Enersize makes a difference. This is what we mean. It's not about lofty visions — it's about hands-on work, measurable technology, and real-world impact. Technology, methodology, and consistent execution.

And we're just getting started.

Thank you for following our journey. If you have questions about the technology or want to explore how this could work in your operations — don't hesitate to reach out. Our work is powered by technology, but driven by curiosity, dialogue, and collaboration.

## For more information about Enersize, please contact:

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*The English text is an in-house translation of the original Swedish text. Should there be any disparities between the Swedish and the English text, the Swedish text shall prevail.*

## About Enersize

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Enersize develops and provides specialized software, tools, and services for improving energy efficiency in industrial compressed air systems – one of the most energy-intensive processes in manufacturing. The company's technology platform enables detailed monitoring, analysis, and real-time optimization of compressed air systems, with the aim of reducing energy consumption, detecting leaks, and improving operational performance.

Enersize works with a wide range of industrial companies that recognize energy efficiency as a strategic priority – both for improving financial performance and for reducing environmental impact. The solutions are scalable and designed to integrate seamlessly into both existing and new system environments.

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

For more information, visit <https://enersize.com>

Certified Adviser: Bergs Securities AB

## Attachments

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[Patented Methodology and Full Control of Leakage – How We've Built a Technical Edge](#)  
[2025 05 28 Enersize Patent Portfolio, Overview](#)