

Q+LEAQS

Compressed Air Services – the Enersize Software-as-a-Service suite for energy optimization of industrial compressed air supports all stages of a leakage detection survey and repair project.

Optimal support for leakage detection and repair management

We developed Q+LEAQS to support every single stage of a leakage detection survey of a facility and its subsequent repair project.

During the leakage detection survey the software suite supports people in their work to document the leaks, identify the components requiring exchange or repair, and handle the logistics of ordering materials. Enersize Q+LEAQS module provides you with comprehensive support to record all the details.

Information from the leakage detection survey about the number of leakages, volume, cost, CO2 emissions, compressors, exact location, type of media, is readily available in the SaaS suite.

You do not need to worry about connectivity as our Q+LEAQS software is available both online and offline.

When you initiate the leakage repair project the software includes a comprehensive range of reports and visualisation tools which helps you to document the leakage levels, potential savings and final results.

Capture company specific data

Important base for planning the leakage survey

The first step in a leakage detection survey is to capture data about the company and the facility, which will form the foundation for the leakage detection survey.

Compressor data should include details about manufacturer, model, capacity, installation date, operating hours, engine type and location.

To ensure that the Project Calculation is as accurate as possible, it is also important that data about production area, IP-addresses and Gateways are all captured at this point.

Project Calculation

Calculate the estimated savings and costs up front

Our SaaS platform for compressed air optimization includes data from over 9,000 completed projects. This enables us to confidently calculate an initial overview of estimated leakage cost, cost of the leakage survey and cost of repair work, all of which is presented in a Project Calculation report.

Factory layout

A structured approach to documentation

To organize the leakage files and folders in an optimum way, a graphical object structure is used when storing documentation in the software suite. The structure should be in line with the layout of the facility since this will support a successful leakage detection survey and repair project.

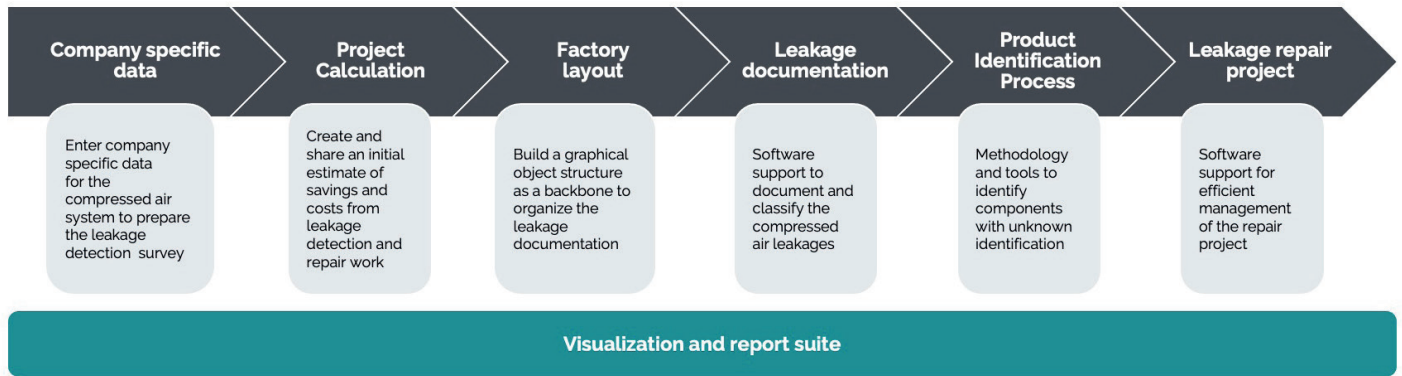
Leakage documentation

The foundation for an optimal repair project

During the leakage detection survey the software suite provides comprehensive support for you to record the details. For every individual leak that is detected you can record data about media, where it is in the chain, which part it is and the probable reason for leakage. A recommendation for action and comments can also be captured. Each leak is also assigned to a category.

To support subsequent leakage repair, it is possible to upload images as well as enter details about supplier, manufacturer and parts. Information about what type of accessibility is needed for the repair work is an important criteria in determining whether or not such repair work can be done under production.

Software support for leakage detection and repair management



When the leaking part cannot be identified on the spot, it can be pushed to a separate list for subsequent identification (see next section).

Where the leakage can be repaired on the spot, it is of course possible to capture this information in the software. This information can also be added later in case the leak is fixed during the repair project.

Product Identification Process

Supporting you in the Product Identification Process

Many components are difficult, if not impossible, to identify on site. Age, location, absence of product code plates are just some of the reasons why this is difficult. The Product Identification Process (PIP) has been developed by Enersize to help solve this problem.

Individual components that cannot immediately be identified can be added to the PIP List with photo documentation and details. E.g. 3/2 valve, 1/4 " connection, 24 V spool and, if possible, its function.

Before initiation of the repair project the PIP List can be sent to your preferred pneumatics supplier or the Enersize partner to arrange logistics. This has proven to be very effective and very popular with the pneumatic companies. Our customers tell us that this drastically reduces time to source products and increases repair efficiency.

Leakage repair project

Manage the repair project end-to-end

Leakage costs money every second, minute and hour of the year, and without repairing the leakage you will not be realising any savings. Therefore, it is essential that the repair project is started as soon as possible after the completion of the leakage detection survey.

Managing the leakage detection survey and the repair project in one platform from start to finish – and beyond – determines the financial success of the leakage management programme.

All reports from the leakage detection survey are readily available in the Q+LEAQS module where data from each leakage is linked and aggregated in the report.

The Computer Aided Leakage Management system (CALM) has been developed by Enersize to satisfy the unique information requirements in the different stages of the repair process. This includes materials and logistics reports as well as detailed repair planning reports.

At any point in the project it is possible to access progress reports and calculations for cost of delays.

25-30% of compressed air is lost to leakage. A leakage detection survey gives you all the information you need for a successful repair project.