integrated engineering & extended efficiency

AUDITECH

Audit & Technologies

Design and optimization of compressed air / steam / fluids systems

The focus on the innovation and integration in engineering and the early diagnosis techniques that we use on virtually any type of plant, give us the opportunity to help design changes, improvements in reliability and maintainability, as well as to support our customers during the cost-benefit analyses.

Maintenance Engineering

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Predictive Maintenance

Auditech engineers have the know-how to understand and monitor the "weak signals" related to the state of reliability of items controlled as a feature of their excellence. In particular, through the integration of Ultrasound technology with Thermography and Vibrational Analysis, Auditech engineers are the only certified Level 3 in Italy, according to UNI EN ISO 9712 and ISO 18436/8.

"Integrated Engineering & Extended Efficiency" is the formula by which our team embeds Maintenance Engineering, Predictive Maintenance and Energy Engineering in efficiency projects. We support our clients in preventing failures and taking care of their systems, improving their reliability, availability and efficiency. This will satisfy the needs of maintenance at the productions sites and also those related to the design of utilities such as compressed air, steam and fluidics systems.

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Energy Efficiency and Renewable Energy

Auditech believes that energy efficiency is one of the most effective means to reduce costs and increase the company's competitiveness. The know-how acquired on the industrial process, thanks to three decades of experience in maintenance engineering and advanced diagnostic tools, gives us an advantage in identifying higher energy consumption centers and therefore propose customized energy-saving measures. These actions may concern both projects to rationalize energy costs (electricity and gas) and projects for the exploitation of renewable energy.

CMMS Planning & Scheduling

Auditech supports customer by integrating modules for planning & scheduling of the CMMS in place, with early diagnosis and monitoring plans developed following the carried out checks and the inspections made. Auditech also supports customer in the development from scratches of P & S modules in the case of CMMS being implemented.

Training

Auditech offers all-round training:
Maintenance Engineering "tailor-made" courses to meet the business needs of each customer.
Auditech is RINA examination center and provides courses for the qualification of certified inspectors according to UNI EN ISO 9712 with new reference to ISO 18436/8 on Airborne Ultrasound. Auditech provides also Thermography and Vibrational Analysis courses for the qualification of certified inspectors with reference to ISO 9712 and 18436.

Why Choose Auditech with Airborne Ultrasound technology?

The undisputed added value of Auditech is to offer a unique know-how on the innovative Airborne Ultrasound technology for predictive maintenance and energy savings. Auditech is RINA examination center and our engineers are the first Airborne Ultrasound Inspector Level 3 ISO 9172 and 18436/8 in Italy.

Saving is in the air

Air compressed Leak Management

Eliminating and Managing compressed air loss is good for both the business budget and the environment. At least 20% of the energy used for the production of compressed air is wasted. It is a hidden cost in the budget item "energy" that you can eliminate with a Leak Management program, quickly recovering the necessary investment. Auditech Engineers are experts in all the phases of the Leak Management process using Airborne Ultrasound technology.

Don't dry out your energy!

Steam Management

Airborne Ultrasound technology, assisted by thermography is ideal for valves inspections and any kind of steam traps test. Regular maintenance of these elements in the steam plant results in a reduction of energy consumption

Closed panels and transformers electrical ispections

Electrical inspections without plant stoppage

The use of Airborne Ultrasound technology for electrical inspections is the ideal solution for inspections on closed panels without interrupting the production cycle and therefore without plants stoppage. The ultrasonic inspections are effective at every voltage but are particularly indicated for high and medium tension and they are useful to identify incipient faults and failures such as Corona, Tracking, Arcing and Micro discharges.

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Losses survey for technical gases

Technical Gases Leak Detection

Hardware innovation of the new generation tools, that use ultrasound properties, has made it possible to search micro leaks in the piping of such gases as nitrogen, oxygen, argon, helium, etc. In this case the search is performed not only for safety issues but also for environmental and economic considerations.

Bearings lubrication

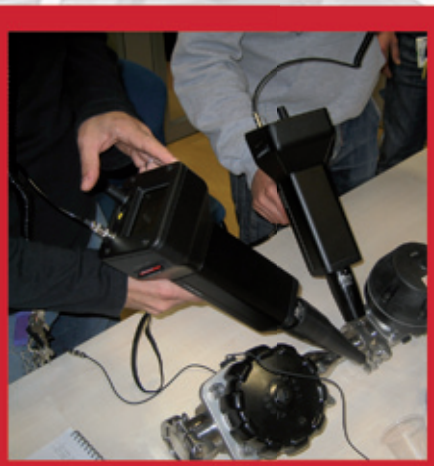
Optimizing a Lubrication process

In addition to choosing the right lubricant, it is important to identify the proper needs of lubricant. Each bearing needs a different and specific amount of fat that varies from case to case depending on the environmental conditions: where it has been mounted, on which machinery, how many hours of operation, load bearing, etc. The inspection with the Airborne Ultrasound technology enables to identify the right lubrication conditions.

Training and qualification

Certified training courses in agreement with UNI EN ISO 9712 and ISO 18436-8

Courses for Airborne Ultrasound Inspector Level 1 and Level 2, certified according to UNI EN ISO 9712 in accordance with 18436-8 are available for maintenance technicians, engineers and industrial plant managers.



Integrated Engineering & Extended Efficiency

Auditech S.r.l. is an engineering company established in Milan in 2009 with the aim of spreading the culture of Maintenance Engineering through such innovative predictive maintenance and energy-saving technologies as the Airborne Ultrasound.

Managing an integrated approach of engineering disciplines and innovative diagnostics technologies, Auditech becomes your reliable partner for the inspection of industrial plants and also to optimize the design of compressed air, steam or fluid systems aiming at energy efficiency and respect for the environment.

A young company, working with very specialized experts with thirty years of experiences such as Francesco Cominoli and Marco Felli, who is the founder and current president.

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