LETOMEC

Letomec srl makes the most of the long-standing experience, gained during decades of academic and industrial consultancy, with the aim of proposing itself as resource for problem solving and innovation. Letomec has years of experience in hydrogen-steel interaction investigations. In particular the company developed also a series of innovative patented instruments, useful for hydrogen embrittlement investigations on metals with the aim of combining reliability of result with practicality for industrial applications. Letomec offers also support to steel production development in terms of both plant modification or adaptation and development of new products. Moreover, Letomec srl works in the field of design and analysis of components, systems and mechanical plants.

AZIENDA SPINOFF DELL'UNIVERSITÀ DI PISA

Company name: LETOMEC S.R.L.

Location: PISA (PI), Largo Padre Renzo Spadoni Snc, 56126

Fiscal and VAT code: 02025720505

Estabilished: October 2011

Legal form: LIMITED LIABILITY COMPANY (LLC, SRL)

Internet site: https://letomec.com/

NACE Code: 74.9

Sector: Spinoff: Università di Pisa

PMI, Requirements for technological innovation: R&D, Qualified team and IP

Turnover Value
350 - 400 K

Subscrite Capital
10 K

NO
Female, Foreign or Young Predominance

MISSION

Promote scientific and technological research with the development of hi-tech solutions for industrial production and the use of materials in the context of environmental sustainability, saving resources with the general objective of improving social well-being. In this sense, the prevention of the risks of hydrogen embrittlement plays a fundamental role, since hydrogen itself is one of the most important energy carriers of the new generation.

VISION

To employ the knowledge, method and scientific rigor, deriving from the academic origins of the founders of Letomec, to respond to the needs / needs of the international industrial sector by offering practical solutions and immediate implementation / application under the stimulus of rapid technological evolution, in particular in the field of prevention of damage from hydrogen embrittlement.

THE BUSINESS IDEA

Hydrogen embrittlement is the main risk factor for high performance steels, in particularly, for the new generation high-strength steels. The high susceptibility to embrittlement requires careful and up to now complex monitoring hydrogen to ensure compatibility of the material with the stringent requests for reliability and compliance with safety criteria.

Letomec Srl has developed a range of "HELIOS" instruments with which it is possible to measure directly on components in operation, the concentration of hydrogen present in the materials metallic.

The range of HELIOS devices allows you to assess the risk of connected damage in real time with hydrogen.

customer.service@letomec.com
letomec@pec.it

PRODUCTS PORTFOLIO

HELIOS 2

Hydrogen Permeation Tests according to EN ISO 17081:2014, ASTM G148-97 (2018) & EN10209:2014(2018).

INDUSTRY:

- Home appliance and Steelmakers for Home appliance industry: prevent the FISH-SCALE DEFECT;
- Galvanizing;
- R&D Applications.

HELIOS 3

Diffusible hydrogen content measurements according to the draft ASTM WK47776.

INDUSTRY:

- Manufacturing of fasteners, bolts, nuts and springs;
- Welding industry;
- R&D Applications.

HELIOS 4

Measurement of hydrogen flux from a metallic surface for corrosion monitoring.

INDUSTRY:

- Corrosion monitoring in chemical and petrochemical industry;
- R&D Applications.

HELIOS 4HP

Measurement of diffusible hydrogen content on the in-service products. Avoiding the component cutting and the coating removal.

INDUSTRY:

- Automotive industry (PHSteels);
- R&D Applications.

HELIOS MAGMA

Monitoring of furnace environment to maintain stable and under control the process.

INDUSTRY:

- Enameling furnace in Home appliance industry;
- Hot stamping furnace in Automotive industry:
- Carburizing furnace process

PRIVATIVE RIGHTS ON INDUSTRIAL, INTELLECTUAL PROPERTY

HELIOS

H.E.L.I.O.S. (Hydrogen Embrittlement Line Instruments and Operative Sensors)

can detect Hydrogen in materials, in order to ensure the structural safety in metallic components

PATENT N° EP2912452 B1
Italy, Sweden, Spain, Turkey, Netherlands, Ireland, France, Germany, United Kingdom, United States, Russia, Japan, India, China and Brazil.

INTERESTS AND MARKET GEOGRAPHIC AREA OF INTEREST

INTERESTS

Customers	Lender / Investor	Partner university	Business partners	Technical support figures
☑	☐	☑	☐	☑

MARKET

GEOGRAPHIC AREA OF INTEREST

Italy
ABRUZZO
BASILICATA
CALABRIA
CAMPANIA
EMILIA-ROMAGNA
FRIULI-VENEZIA GIULIA
LAZIO

Abroad
European Union
Central and Eastern Europe
other European countries
Northern Africa
Western Africa
Eastern Africa
South Central Africa

SALE CHANNELS

Directly	Large-scale retail channel	E-commerce	Agents
☑	☐	☐	☐