



A SOIL REMEDIATION COMPANY

We innovate for your future

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WHO WE ARE

In some words, **Haemers Technologies** is a company active in the field of thermal soil remediation with more than 30 years of experience.

Its activity consists in inventing, improving and applying thermal desorption technologies, such as **The Smart Burners™**, a technique that allows to remediate soils and remove pollutants ranging from heavy hydrocarbons to mercury and chlorinated solvents, in all types of soils.

Haemers Technologies engineers are the inventors of the first mobile thermal systems and the actual award-winning **Smart Burners™ ISTD and ESTD technologies**, reducing costs and environmental impact of thermal treatment, and increasing its applicability to in-situ projects and remote sites.

We provide our own sustainable and innovative systems to decontaminate a wide range of polluted soils by In-Situ (without excavation) or Ex-Situ Thermal Desorption, while recovering energy and soil contaminants.

Our environmental technologies are offered to companies active in soil remediation or in the construction sector.



OUR HISTORY

Haemers Technologies Group's history in thermal remediation began in 1989, with our American subsidiary TPS Technologies Inc. that started thermal remediation in the US, with one of the world's first low temperature thermal desorption fixed facilities for hydrocarbon contaminated soil.

From 1989 to 2005, Haemers Technologies senior team operated multiple fixed facilities and successfully treated over 8,000,000 tons of soils. Number of patents have been successfully implemented on a wide range of petroleum hydrocarbons, chlorinated, persistent and semi-volatile compounds by our team.

From 2005 to present, Haemers Technologies Group has focused exclusively on its in-situ and ex-situ thermal conduction heating technologies together with its condensation-based vapor treatment processes.

In 2010, the former Thermopile Technology (patent 2004) was sold to DUFERCO, who decided to keep the technology for its own applications. The core team then decided to create a new legal entity to further develop the processing technologies. After 3 years of strong growth, the company

has been defrauded by one of its shareholders/managers and had to file for bankruptcy. Nevertheless, the same core team restarted Haemers Technologies in January 2015 in its current form.

Since 2005, a substantial number of projects has been successfully implemented on a wide range of petroleum hydrocarbon, chlorinated, persistent and semi-volatile compounds on four different continents by Haemers Technologies and its teaming partners.

In 2021, Haemers Technologies acquired the Dynaskim's technology: LNAPL Skimming. It represented an extension of its soil remediation technologies range and an opportunity for the technology to be applied by licensees worldwide. This acquisition allowed Haemers Technologies to not only remediate soils but also groundwater, making the company even more versatile in the remediation field.

Even if the identity of our company changed, even if our teams are enlarged and our projects are more and more numerous, our values, our goals and our working methods remain the same.



Anchored in our identity, our values represent who we are, how we behave, what we do and why we do it. This is also what differentiates us and gathers us together.



WE ARE COMMITTED

At Haemers Technologies, we act with good sense and realism. We measure carefully the resources we use in order to provide the expected results and meet our promises without waste. We want to achieve the best performance for our customers and company. Success is our engine and our goal.

Working safely is paramount to the success of our company and projects. No project can start without a detailed safety planning and proper communication, training and auditing of its application.



WE ARE INNOVATIVE FOR A CLEANER PLANET

Improving our processes, thinking out of the box to create new technologies and new remediation solutions for all projects, this is our everyday approach. To achieve this, we invest our time in Research & Development. Sharing these improvements with our partners allows us to extend our impact around the world.

We are constantly seeking to reduce our environmental impact through various actions and looking for energy efficiency. We do not offer company cars to encourage our workers to use bicycles or public transport. We want to promote a circular economy and use renewable energy.



WE ARE UNIQUE AND UNITED

The strength of our organization is its capacity to adapt to any situation; we always look for the best personalization in terms of technology, planning, budget, and people.

We believe in the importance of training and continuous improvement, that is why we have created a stimulating and pleasant working environment by advocating idea sharing and collaboration between colleagues.

IN-SITU THERMAL DESORPTION (ISTD)

In-Situ Thermal Desorption using Smart Burners™ Technology was specifically developed to solve soil pollution directly on site without any excavation. ISTD can often solve remediation problems which could not be solved with other technologies.

This is the perfect answer in urban areas. Each light weight heater is designed for in-situ works in open, as well as in confined environments (such as basements or existing buildings).



EX-SITU THERMAL DESORPTION (ESTD)

Ex Situ Thermal Desorption using Smart Burners™ Technology is a system that is used for onsite soil treatment, when the soil is treated on site after excavation (no transportation off site).

The contaminated materials are excavated and stored in a pile. While building the pile, heating and extraction wells are layered into the soil. In case of large volumes, the number of soil treatment units will be multiplied, and are set up week after week. With such an overlapping setup, large treatment capacities can be achieved with reasonable costs.

➔ [Click here to go watch our Sites playlist on our Youtube channel](#)



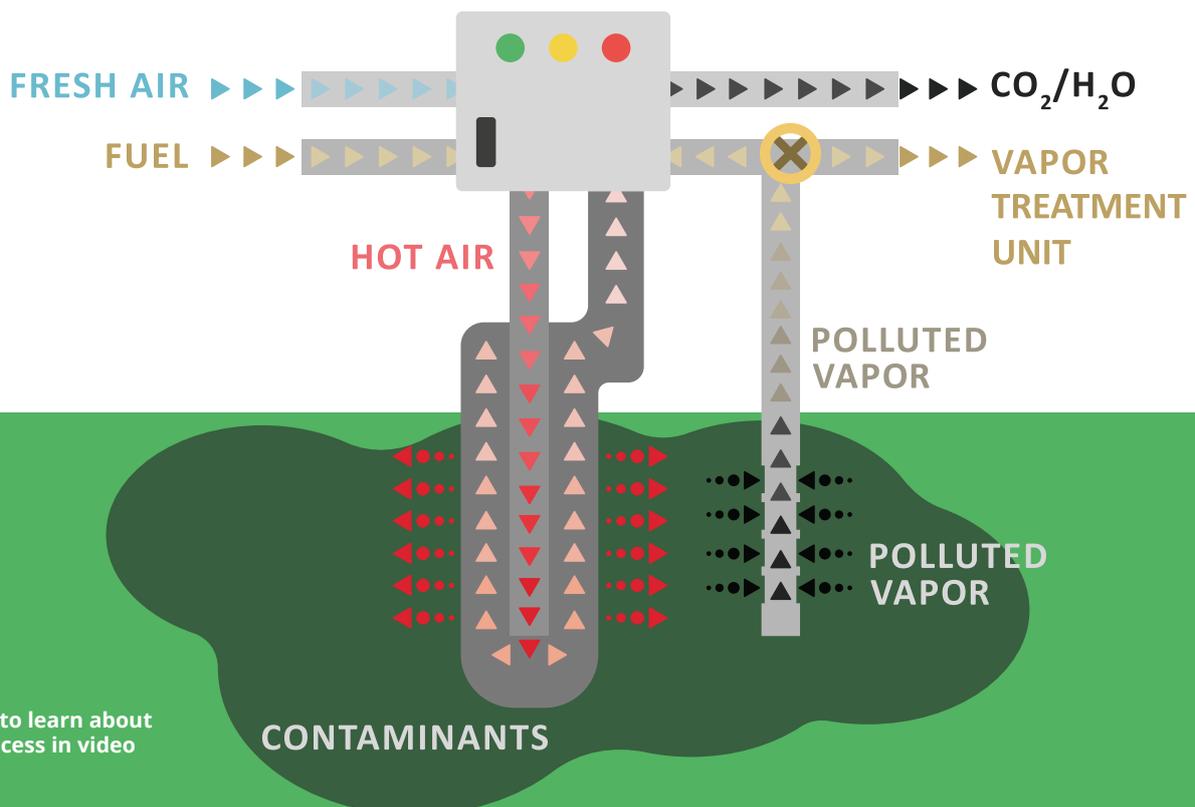
Over 15 years ago, key senior managers started their first research projects driven by the mission to develop a thermal technology that should counter the main drawbacks of conventional thermal treatment, being its energy costs and need for excavation. The choice for thermal remediation technologies is driven by the value it brings to customers, namely guaranteed clean soil in a short timeframe.

They developed the Smart Burners™ technology in-house and patented it as a novel method of conductive thermal desorption.

THE PRINCIPLE IS A TWO PHASES PROCESS:

- 1 The soil is heated up to a temperature where contaminants vaporise. The soil is heated by stainless steel heating tubes put into the soil, through which hot air is circulating.
- 2 The polluted gases are extracted, and the contaminants are recycled. Vapours containing the volatilized contaminants are recovered through a separate soil vapor extraction network and recycled either as fuel in the Smart Burners™ or as liquids after condensation.

Result: clean soil in a short timeframe, reliable and definitive. Soil can be reused, and no organic contamination is left behind.



→ [Click here to learn about the HT process in video](#)

SOME

NUMBERS

8

13

Countries we have
been active



57

Sites we have
operated worldwide



2.208

Smart Burners™ that have been
used for remediation



2.290.166

Tons of soil we have remediated

THEY TRUSTED US



RESSOURCES



WEBSITE WWW.HAEMERS-TECHNOLOGIES.COM

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HT ON THE NEWS [NATIONAL MEDIA COVERAGE](#)

[RTL TVI \(BELGIUM - NATIONAL CHANNEL\)](#) | [BRUZZ](#)

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CONTACT US

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Want to talk with us directly?
Call us! We'll be happy to have a chat with you.

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