

# EUROPEAN LEADER

IN THE TREATMENT  
AND RECOVERY OF  
DANGEROUS WASTE

From its creation,

# the mission of SARPI

has been to sustainably control waste risk to keep industrial activity viable.

Today, in a world undergoing economic and environmental transformation, where reducing resources and environmental protection have become a necessity, SARPI's mission takes on its full meaning.

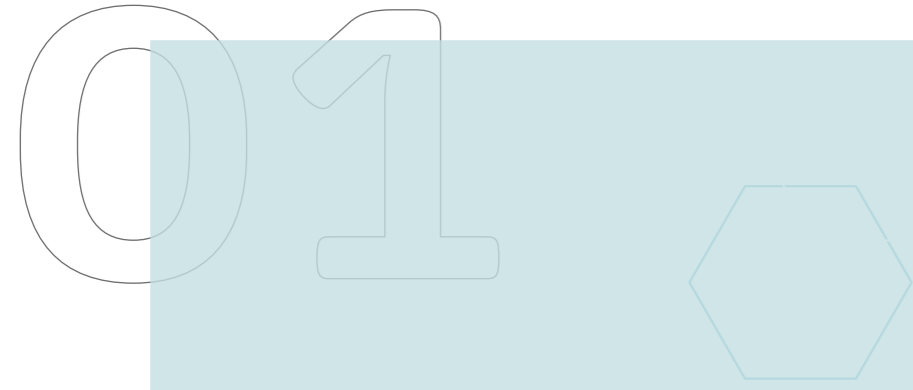
Over almost 50 years, SARPI has become the biggest European network dedicated to the collection of dangerous waste and thereby contributes to protecting the environment and future generations from pollution.

# Content

# 01

# ABOUT US





# THE LEADER

in the treatment and recovery of dangerous waste in Europe



**A PIONEER IN THE TREATMENT AND RECOVERY OF DANGEROUS WASTE, VEOLIA PAVED THE WAY BY CREATING SARPI ALMOST 50 YEARS AGO TO MEET THE TECHNOLOGICAL, ECONOMIC AND ENVIRONMENTAL CHALLENGES OF ITS CUSTOMERS AND PARTNERS THROUGHOUT EUROPE.**

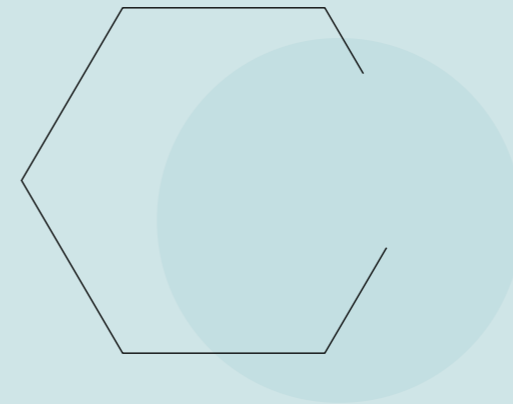
Every day, 3,000 experts work on more than 75 sites across nine European countries to treat and recover dangerous waste, thereby allowing manufacturers to continue production while limiting their environmental impact.

Since its creation, SARPI's mission has been to sustainably control waste risk to keep industrial activity viable. Today, in a world undergoing economic and environmental transformation, where reducing resources and environmental protection have become a necessity, SARPI's mission takes on its full meaning.

**SARPI designs sustainable solutions to control environmental and health risks related to all types of dangerous waste**

Whatever the risk: flammable, toxic, corrosive, cancerogenic, ecotoxic, combustible etc.

Whatever form it takes: solid, slurry, liquid, powder, gas, casks, small packages etc.



# 01 SARPI, Key figures

+ 4000 employees

(France, Belgium, Germany, Spain, Italy, Poland, Hungary, United-Kingdom, Switzerland)

10

10,000+ industrial customers

100,000 tertiary customers

110 industrial sites

+10 MT of waste treated on our sites per year



Almost 50 years spent leading the way in industry by relying on fundamentals that are part of the company's DNA and shared by everyone

Water treatment sites 2,340,000 t/year 12

Dedicated recycling sites 307,000 t/year 10

Incineration sites 870,500 t/year 10

- 75 Sites in Europe including
- 5 Storage centers 690,500 t/year
- 4 Depollution centres 55,500 t/year
- 35 Platforms

02

# OUR FUNDAMENTALS



# 02

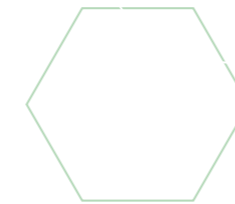
## OUR MISSION

*“our vocation”*

**SUSTAINABLY CONTROLLING WASTE  
RISK TO KEEP INDUSTRIAL ACTIVITY VIABLE**

Our profession was born almost 50 years ago with the regulatory requirement for manufacturers to have their waste processed in appropriate facilities. Since then, in a world undergoing economic and ecological transformation, our mission

has never made so much sense: allowing manufacturers to continue their production while limiting their environmental impact by treating dangerous waste and confining pollutants.



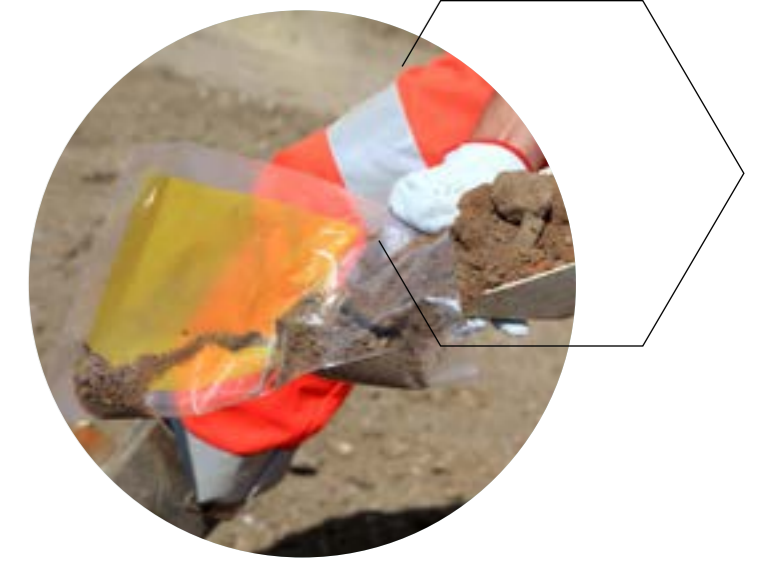
## OUR BUSINESS

*“our skills and our high-standards”*

**THE TREATMENT  
AND RECOVERY  
OF DANGEROUS  
WASTE**

**A**t SARPI, we collect dangerous industrial waste that, due to its composition or properties presents a danger to human health or the environment. On our sites, this type of waste undergoes various treatments to control toxicity, confine pollutants and recover the recyclable fraction where possible.

The handling of dangerous materials on an industrial scale is a huge responsibility with regard to populations, our customers, our subcontractors and our employees. The viability of our company is based on the trust they place in us in our ability to ensure the safety of everyone, citizens and employees.





## 02

## OUR MODEL

*“is unique”*

**A EUROPEAN NETWORK OF SOLUTIONS INTEGRATED INTO THE TREATMENT AND RECOVERY CHAIN UNTIL THE STORAGE OF THE END RESIDUES**

SARPI's strength also lies in how its network of complementary industrial sites. Our customers benefit from our treatment and recovery solutions, the continuity of our services, the complete

traceability of waste, and our ability to innovate to meet their needs and expectations as precisely as possible. Today, SARPI has a web of more than 75 industrial sites in nine European countries.



## OUR COMMITMENTS

*“the pillars that guide our actions every day”*

**Traceability, non-dilution and decontamination of the waste recycling loop to protect the environment from pollutants**

Since its creation, SARPI's guiding light has been risk control to protect populations from pollution. Every day, our job is guided by three fundamental principles:

✓ **non-dilution**, which means that SARPI does not mix different types of waste. All our facilities are designed to receive and treat waste with a high concentration of pollutants.

✓ **decontamination**, which means that in all our treatment and recycling processes there is always a stage that consists of separating, confining and treating the polluting portion. A recycling process without a decontamination phase will result in the accumulation and dispersal of pollutants in the products put back into circulation.

✓ **traceability**: our control systems let us track waste from collection to final processing and inform our customers of what happens to their waste transparently.

## 02

# OUR VALUES

*“profoundly human”»*

**STRONG ENVIRONMENTAL BELIEFS, A PERMANENT QUEST FOR PERFORMANCE,  
GOODWILL AND AN ENTREPRENEURIAL SPIRIT**

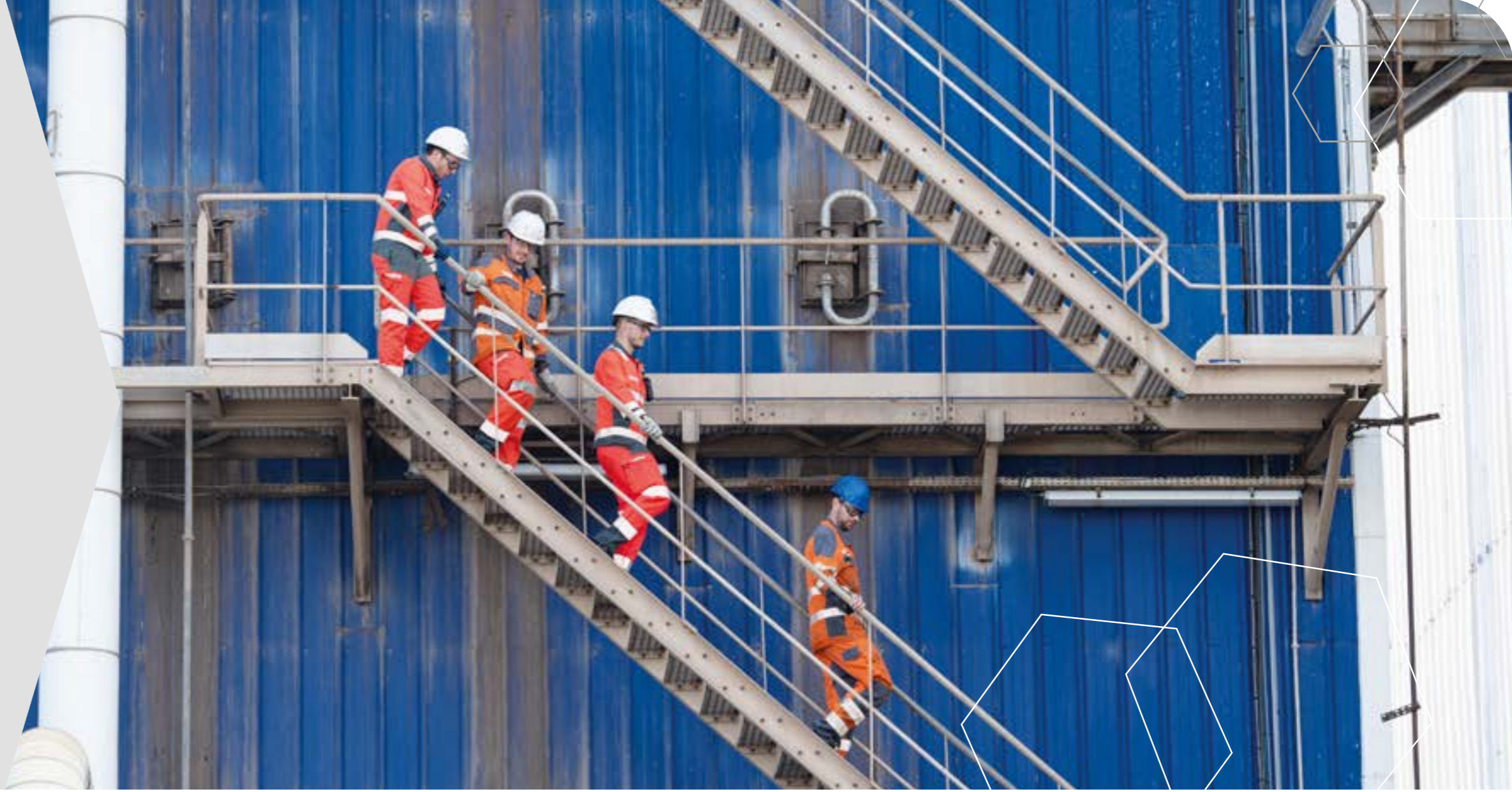
The very principle of respect for the environment has been anchored in SARPI's DNA from the beginning and gives each employee's day-to-day work genuine meaning, regardless of their job or position within the company. Our company's real value lies in the sustainable connection between SARPI and each of its employees and also the effective cooperation that each employee exercises within their team.

This long-lasting trust relationship, which allows employees to gain independence and improve their skills, is essential to our performance. General enthusiasm and our passion for our job bear witness to the fact that SARPI is driven by profound human values and an incredible team spirit that makes our togetherness our great strength and the driving force behind our success.



03

# ACT BY SARPI



# 03

## ACT by SARPI !



### OUR COMPANY PROJECT, OUR COMPASS FOR THE NEXT THREE YEARS

**A**CT by SARPI is a shared approach that involves all our employees and sets involving, ambitious, realistic, shared and motivating objectives. It is an approach based on tangible, measured operational indicators with local initiatives and cross-disciplinary working groups.

Our approach aims to be plural and address all society's stakeholders and actors with the following objective: **our effective contribution to the ecological transformation in all sectors and the reduction of our own environmental impact.**



# 03



**Our commitment to safety:** improve our risk control to benefit our employees, customers and neighbours.



**Our commitment to our staff:** bigger, more diverse, better-trained teams with the same level of commitment.



**Our commitment to the environment:** to reduce our impact on the air, the climate and water resources.



**Our commitment to our customers: improve loyalty with a positive relationship** and support them in their ecological transformation.



**Our commitment to our sites:** to develop them and retain our permanent quest for progress.



**Our commitment to supporting territories** with their sustainable, economic and social development.

04

# OUR KNOW-HOW



# 04

*Our expertise*

## ▶ Reconciling **the treatment and recovery of dangerous waste**

- ✓ Treating, confining and tracing the residual pollutant load of each type of waste to avoid dilution or dispersal in the environment.
- ✓ Extracting and recycling the “recoverable” fraction of waste through specific treatment branches that help us limit the use of natural resources and raw materials.
- ✓ Harnessing the energy potential of waste and optimising our industrial processes.

*Our particularity*

## ▶ **Analysis and control.**

SARPI has analysis laboratories on all of its sites, whose role is to categorise dangerous waste and pollution before treatment and control the quality of both recovered products and rejects.

*Our strenght*

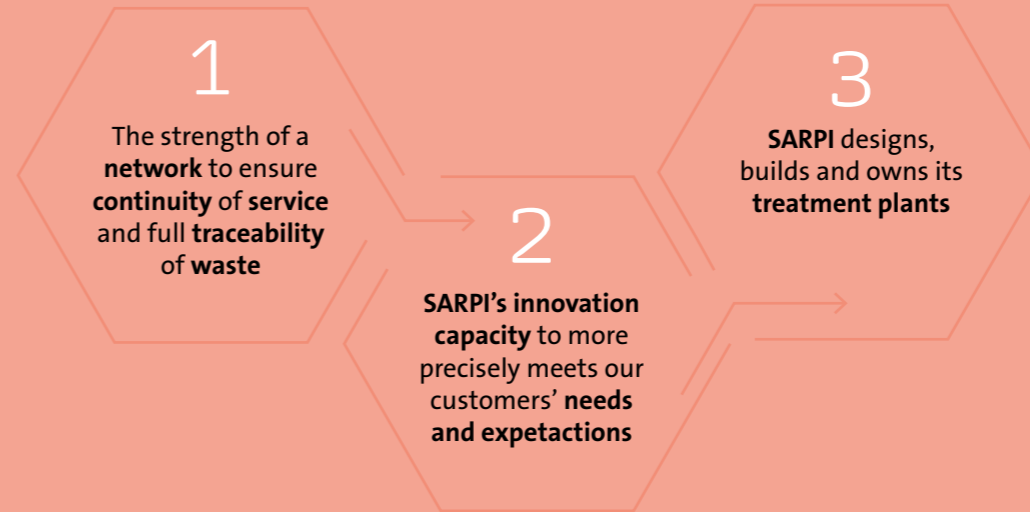
## ▶ **Continuity of service.**

Thanks to Europe’s largest transit platform and treatment and recovery site network, SARPI ensures continuity of service for its customers, whatever happens.

*Our model*

## ▶ **A European network of dedicated solutions**

*integrated into the local treatment and recovery chain until the storage of the end residues:*



## 04

# OUR SPECIFIC EXPERTISE

**TREATMENT AND RECOVERY SOLUTIONS TO BETTER MEET EXPECTATIONS**

▶ **Dielix<sup>100</sup> :**  
*b100 biofuel, a by-product of used cooking oil*

Industrial facilities fully dedicated to the recovery of used cooking oil. With one ton of used cooking oil, Dielix produces 1,200 litres of second-generation biofuel, reinjected into production cycles to reduce greenhouse gas emissions by 90% compared to fossil fuel.

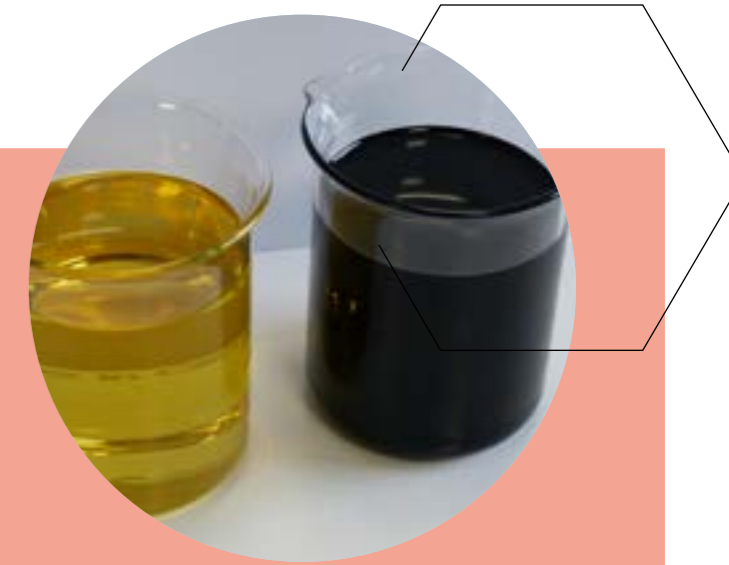


▶ **Comprehensive management of mineral waste**  
*SDMA (minemaral waste and organisation solutions) Hub*

The SDMA Hub reconciles the treatment and recovery of dangerous waste. Every year, it collects more than one million tons of authorised waste in strict compliance with the regulations. This is unrecyclable dangerous mineral waste including waste containing asbestos, lead paint, waste with enhanced natural radioactivity (RNR), non-dangerous waste or inert waste for development projects.

▶ **Osilub :**  
*regeneration of used engine oil as base oil*

With its patented “scrap film vacuum distillation” process, Osilub refines used mineral oil into base oil with a favourable environmental, economic and social impact. It is a recognised expert in the regeneration of used lubricant oils as base oils. This responds to sustainable development issues in accordance with European Directive No. 2008/98/CE of 19 November 2008 that makes recycling a priority.





# 04

▶ **GRS Valtech:** *ground depollution, treatment of effluents and pyrotechnic depollution*

The Depollution Hub is an on-site centre of expertise and exploitation in the treatment and recovery of effluents, gas and soils, and pyrotechnic depollution. Our know-how covers four activities:

- ✓ Research, engineering and solutions
- ✓ Management and treatment of liquid effluents
- ✓ Engineering and treatment of pollution in an underground environment
- ✓ Management, treatment and recovery of biogases

▶ **VFS (Veolia Field Services):** *conditioning and cross-border transport of dangerous waste*

Veolia Field Services (VFS) is the world expert in the conditioning and cross-border transport of dangerous waste. VFS identifies, sorts, conditions and transports waste to appropriate treatment facilities for toxic materials such as PCB and pesticides all over the world.



06

# INNOVATION AT SARPI



# 06

## INNOVATION

at the heart of our activities

**FOR REGENERATING MATERIALS, PROTECTING RARE RESOURCES OR EXPLOITING A NEGLECTED SOURCE OF ENERGY, SARPI IS THE PARTNER FOR INNOVATION AND INVENTING NEW SOLUTIONS FOR RECOVERING AND REUSING MATERIALS.**

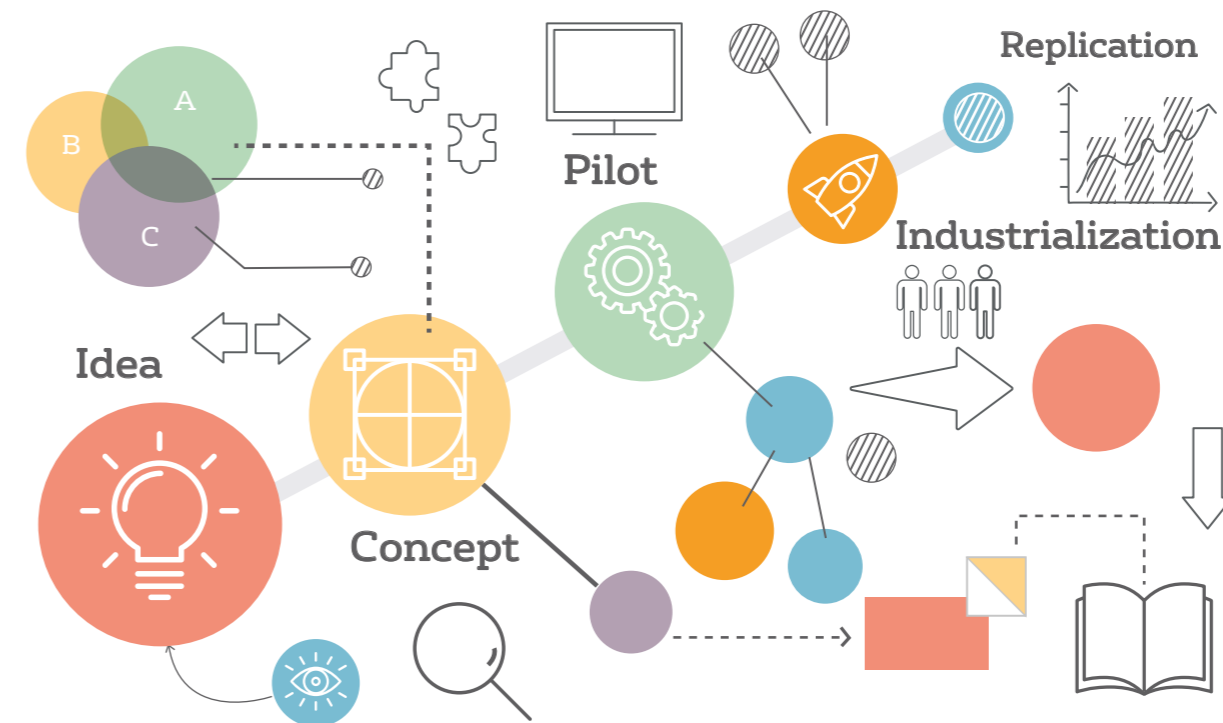
# W

We innovate every day to improve environmental performance, better decontaminate polluted materials, offer new recovery and recycling solutions and optimise treatment costs.

We innovate thanks to the commitment of our employees to continued improvement and optimised processes by relying on strategic partnerships with factories and developing academic partnerships with renowned universities and schools.

### THE TECHNICAL AND INNOVATION DEPARTMENT AND ITS REPRESENTATIVES, SUPPLY THE INNOVATION PIPELINE AT A REGIONAL LEVEL

SARPI also benefits from the support of the scientific and technological expertise department of the VEOLIA Group.



**Innovation at SARPI is more than 50 years of innovation for our customers for the environment.**

# 06



## INNOVATIONS AT THE “PILOT” OR STAGE FIVE YEARS AGO ARE NOW COMPLETELY INDUSTRIALISED

### Mercury stabilisation

Transformation of extremely toxic metallic mercury into metallic sulphur, its most stable natural form.

### Fire bricks and readers

Designing our own fire bricks to increase their lifespan and the availability of our ovens. Increased throughput for incinerating solid waste with the installation of readers.

### Monitoring and treating mercury at the stack

Anticipation of new regulatory restrictions (BREF incineration) with continued monitoring of mercury emissions at the stack and the development of a panel of treatment solutions.



## INNOVATIONS THAT WERE AT THE “IDEA” OR “CONCEPT” STAGE FIVE YEARS AGO ARE NOW AT THE PILOT OR EVEN INDUSTRIALISATION STAGE.

### Recycling electric vehicle batteries

After making the battery safe, dismantling and crushing, hydro-metallurgical treatment of the residues to extract strategic metals to produce precursors for the production of new batteries.

### Manufacture of Phoenix buckets

Manufacture of approved buckets made from 100% recycled plastic, intended for direct use on our sites



There are currently still more than 60 projects in our pipeline





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