



SOUJI

Souji On Site:

A compact machine that converts used cooking oil into useful and sustainable detergents, directly in your establishment. A practical solution to reduce costs and environmental footprint.

SOUJI: Revolutionizing the Recycling of Used Cooking Oil.

and the manufacturing of sustainable cleaning products, with an innovative and disruptive solution. Our chemical and hardware patent transforms a major pollutant, present in all catering establishments, into high-quality, sustainable cleaning products, creating a 100% circular economy.



What makes it unique?

100% circular economy

Transforms highly polluting waste (UCO) into sustainable cleaning products, promoting self-consumption.

Unique and Disruptive

Patented technology: Unique chemical formulation, without toxics or corrosives, globally replicable. Own efficient device, without losses and easy to use.

Safe, easy and sustainable

Clean and adaptable process, without prior knowledge or infrastructure. Without toxic waste, polluting losses, CO2 emissions, and minimal energy consumption.

Sustainable cleaning products

Various products (floor cleaners, multipurpose, dishwasher...).
Formula change just by pressing a button. Innovation in the method, adaptable to customer needs (Color, uses, scent)-

Highly profitable

Immediate savings in waste management, environmental impact and cost of cleaning products.

1 liter UCO = 3 liters cleaner.

Fast and efficient

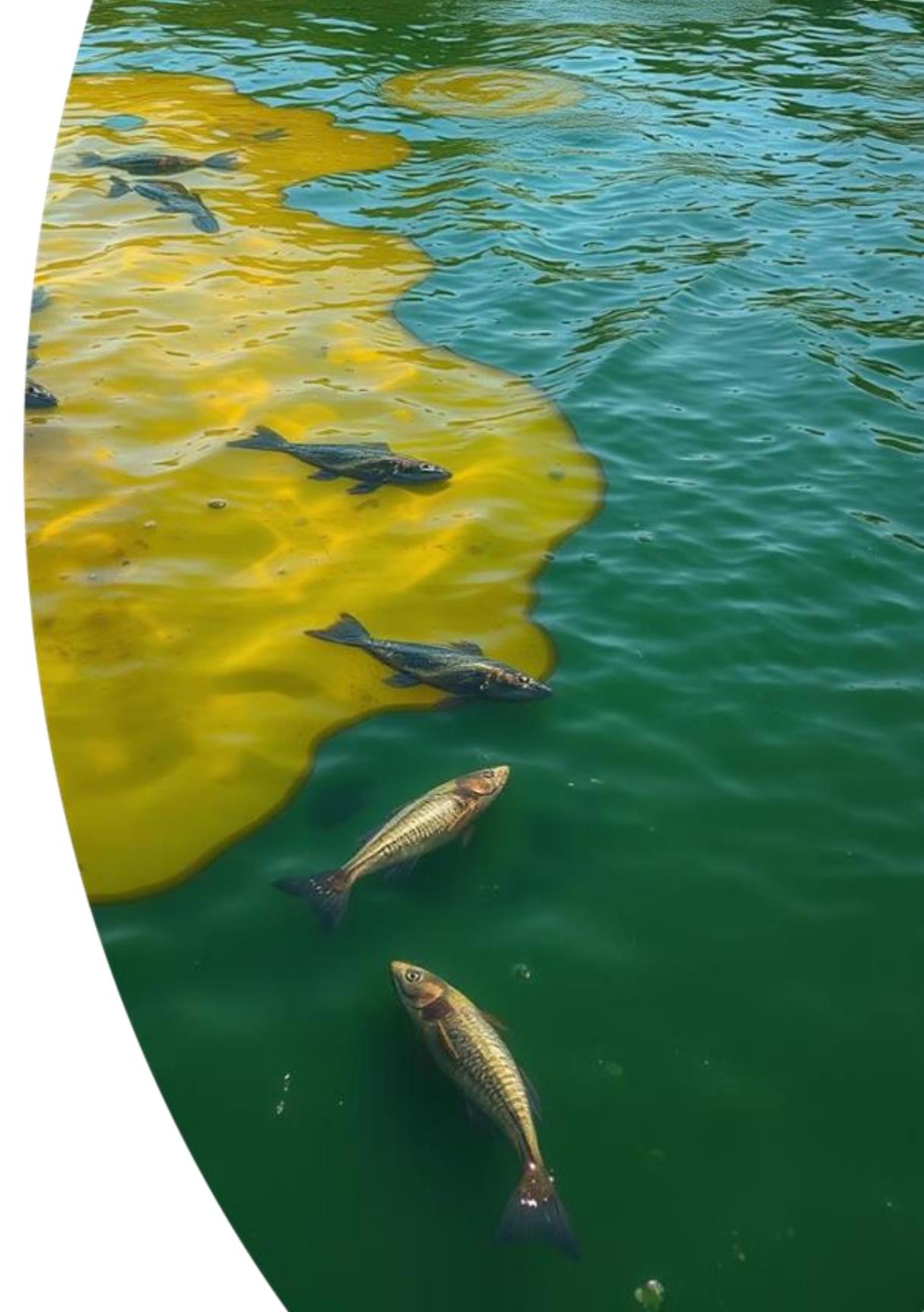
Automatic transformation in minutes. 5 liters of cleaner in 10 minutes. Possibility of a continuous process to produce the desired liters, ready to use.

The UCO problem

1

Water pollution

1L of UCO contaminates 1000L of water. It is a global problem that affects the environment around the world.



2

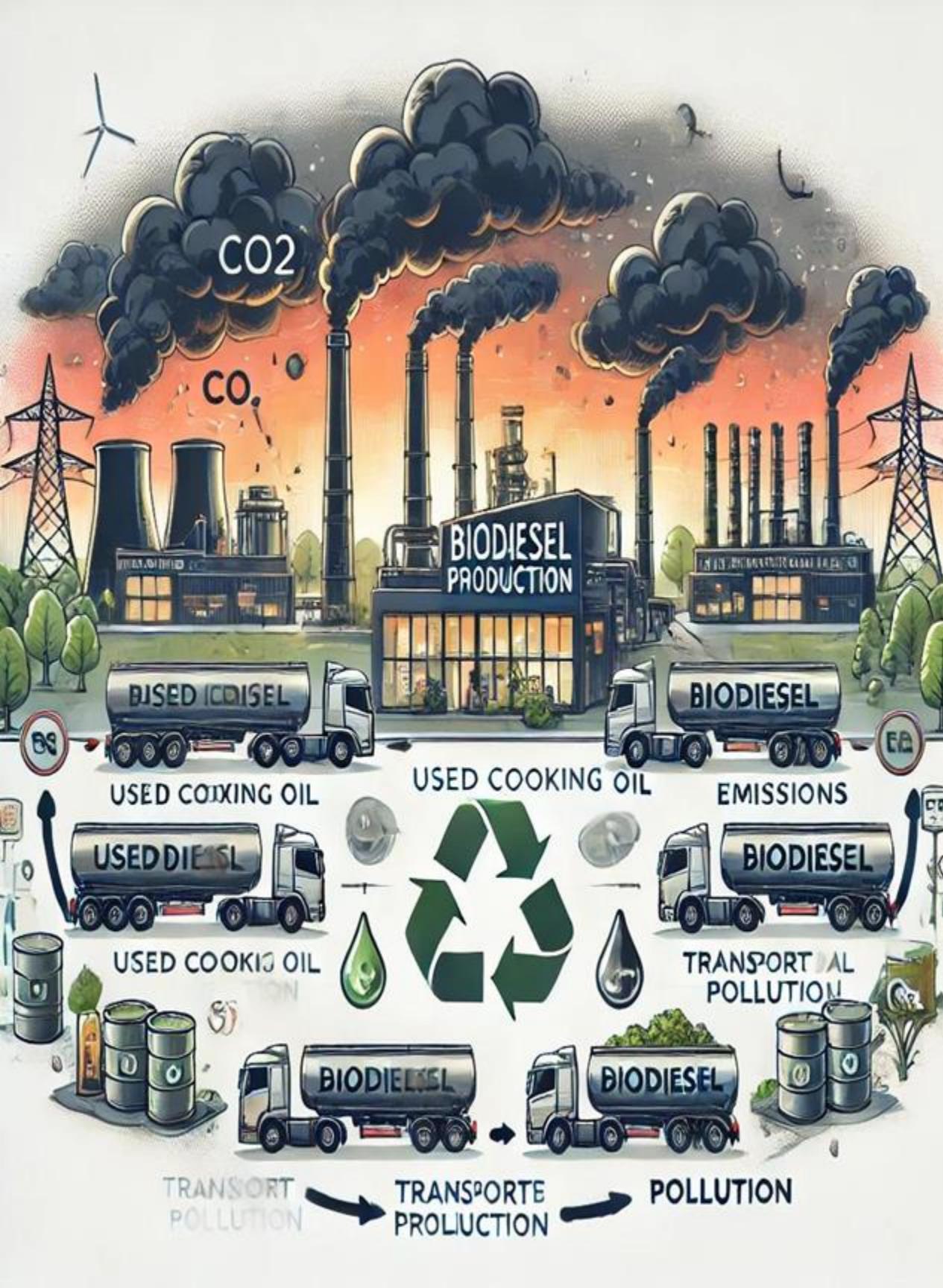
Damage to infrastructure

UCO causes 90% of pipe blockages. Increases water treatment costs up to 700 times.

3

Management challenges

The current management of the UCO is limited, complex and expensive. Lacks efficient recycling methods.



Current Method: Biodiesel: A Limited Path

Biodiesel is the main way to recycle used cooking oil (UCO) today. However, this industry faces significant challenges.

Limitations include:

- **High production costs:** An increase of 30% in the last 5 years.
- **Complex transformation processes:** They require expensive infrastructure and generate 15% of greenhouse gas emissions compared to other alternatives.
- **Environmental impact associated with production:** It is estimated that only 10% of the UCO generated is recycled.
- **Low efficiency in UCO collection and treatment:** The global UCO recycling market exceeds \$500 million, but most of it is wasted.

SOUJI vs Biofuels

Biofuels: Performance and Impact

1 liter of UCO produces ≈1 liter of biodiesel. This generates high CO2 emissions, high water consumption, high costs and large infrastructures. It contributes to deforestation, loss of biodiversity, rising food prices and increasing regulatory risks.

The market, although large, faces restrictions and regulatory pressures.

SOUJI: Superior Performance and Sustainability

1 liter of UCO produces 3 liters of cleaning products. This significantly reduces CO2 emissions and water consumption, with competitive costs. On-site production eliminates logistics costs and polluting waste.

Generates a circular economy, minimizing environmental impact and offering 3 times higher performance. Reduces regulatory risks and offers high profitability in a growing market.

More economical in the long term

Although the price of SOUJI is €2.45/liter, compared to €1.35/liter on average for traditional cleaners, its higher performance and concentration make it more profitable:

SOUJI

Price per liter(€): **2,45** (VAT and shipping not included)

Each liter generates 2.28 liters of ready-to-use floor cleaner

Concentration for 5L of water: 1.5 cap

$$\frac{2,45}{2,28} = 1,07\text{€/L}$$

Price based on quantity: €0.87–€1.07/L
(scale economy)

Floor Cleaning Solution

Price per liter(€): **1,4** (VAT and shipping not included)

Each liter generates 1 liter

Concentration for 5L of water: 2 capfuls

$$\frac{1,4}{1} = 1,4\text{€/L}$$

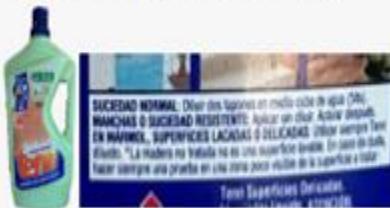
External laboratory analysis: SOUJI VS Tenn Aloe Vera

Eficacia friegasuelos

LEiTAT
managing technologies

Norma IPP (Suciedad persistente no envejecida)

Producto de referencia:

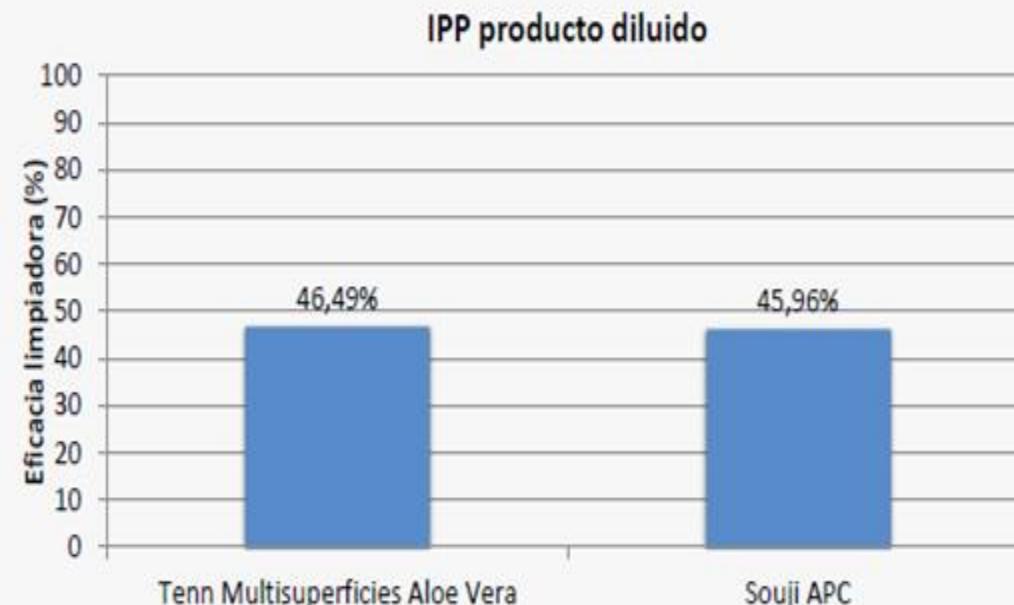


2 tapones/ 5L → dilución 1,2%
pH=7,60

Producto APC-FA3 (31% aceite en emulsión):



1,5 tapones/ 5L → dilución 0,9%
pH=8,04



Pendiente → IPP Tenn Multisuperficies vs Souji APC-FA14
(natrosol con 31% y 41% de aceite)

28%

Cost advantage

SOUJI floor cleaner (€1.07/L) compared to its competitor Tenn Aloe Vera (€1.83/L), maintaining the same cleaning effectiveness

25%

Improved performance

Greater surface coverage, verified in the laboratory with less product needed per liter of water.

Portable and Versatile SOUJI Equipment

Compact Design

The SOUJI On Site equipment is a medium-sized portable machine, easy to transport and install.

Adaptable Tanks

External tanks are customized according to the volume needs of each client, offering flexibility.

Efficient Processing

Processes used oil into cleaning formulations in less than 10 minutes; fast and on-demand production.

Profitable

Average cost: around €3000/und; formulation at €2/L. A practical and affordable investment, with long-term performance and savings.

General device characteristics



- Version 2.0, result of the first version 1.0 pilot with the Basque Culinary Center.
- Dimensions and weight: 660 x 650 x 280 mm 30 Kg
- Voltage: 220 V 150 W 50/60 Hz
- Warranty: 1 year only on spare parts.
- Regulations:
 - "EC" Low Voltage Directive EN 60204-1:2019
 - "EC" Electromagnetic Compatibility Directive UNE-EN 61000-6-3:2007 of July 2007.
- External tank (Formula, UCO, water (with the possibility of connection to the establishment's intake))

SOUJI Benefits for Target Clients (Cruise ships, restaurants, hotels, food industry...)

Cost Reduction

Minimizes expenses in managing used oil and consumption of cleaning products.

Improved Sustainability

Promotes responsible recycling practices and increases sustainability. Adaptation to new legislation.

Positive Brand Image

Improve brand reputation through ecological actions and circular economy practice

Optimized Waste Management

Efficiently manage used oil waste, reducing environmental impact and improving traceability

Customer Attraction

Attracts clients committed to sustainability and the environment.

Savings in CO2 and energy.

Contributes to the reduction of carbon emissions and energy impacts.

SOUJI Trust

Partners



Potential clients with real interest



Some awards



SOUJI Pilot Program and Future Collaboration

Pilot Program

SOUJI offers a 1-month pilot program with a free device to test the system.

Contractual Commitment

A 1-year fiscal contract for formulation and device purchase is required if the pilot is successful.

Equipment Costs

There are several models available, including direct purchase, rental and financing.

Custom Solutions

SOUJI and the associated company collaborate to find the best solution for each case in terms of costs, logistics, after-sales service...

Sustainable Development Goals



Join us



Telephone

+34 630681232



Email

jgavilan@souji.es



souji.es

Contact us to explore collaboration opportunities and be part of the revolution in recycling used oils and manufacturing sustainable cleaning products.