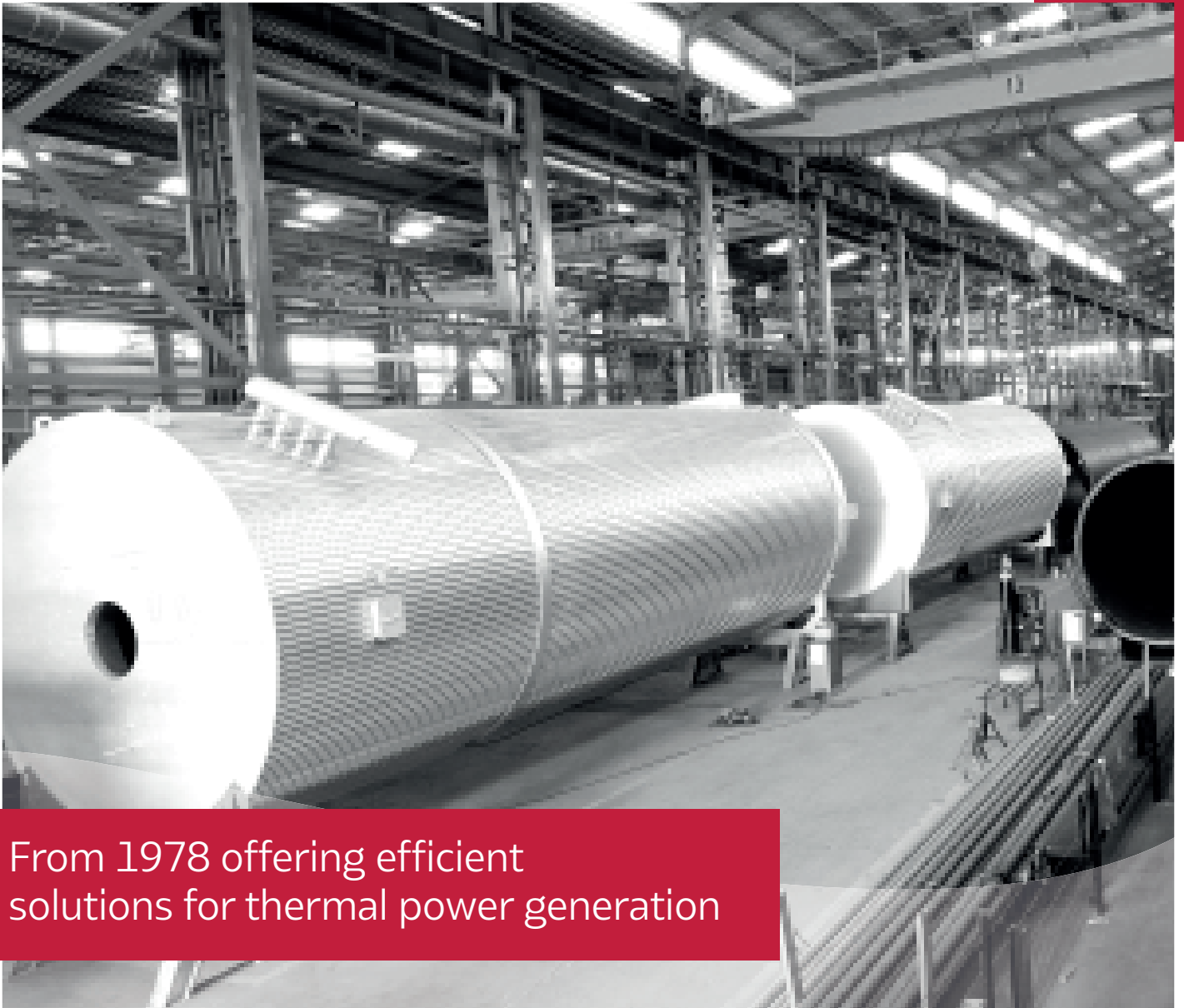




# SUGIMAT

*Efficient Engineering Solutions*



From 1978 offering efficient  
solutions for thermal power generation

ENGINEERING FOR THERMAL FLUIDS, COMBUSTION AND HEAT

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## Sugimat - Efficient Engineering Solutions

We are a family business working from 1978 in heat generation and developing custom-made and EPC industrial projects.

We design, manufacture and install energy solutions through steam, hot water, molten salts and thermal oil heaters, using biomass, fossil and waste-to-energy. The company has more than 3,000 installations spread over 28

different countries in the five continents. We are specialized in sectors as diverse as wood, chemical or CSP industries, amongst others.

Our headquarters are located in Valencia (Spain) and we also have eight local offices in Germany, the UK, France, Portugal, Italy, Poland, Russia and the USA.

## HALLMARKS



# 1.

## HALLMARKS

### Vertical integration

Since 1978 we have developed turn-key projects adapted to each client's needs. The process encompasses: design, manufacture and installation of the custom-made projects.



### Customer care

Our commitment with our customers is reflected in our 24/7 support. We offer technical assistance in the installation itself, remotely or by phone 365 days a year. A job well done that has allowed us to sell more than 3,000 references in up to 28 countries around the world.



### Process control

We stand up to critical control procedures to meet quality standards

- ISO 9001/2015 Certificate
- Asme U and S and R Stamp Certificates
- Pressure Equipment Directive 2014/68/EU Certificate



### Innovation

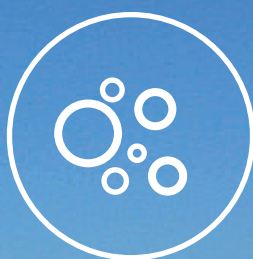
We have an R&D&i Department with more than 20 engineers and a combustion laboratory to perform the necessary technical tests before offering the ideal solution to our customers.







## Fluids



Salts / 550°



Oil / 400°



Steam / 450°



Water / 180°



# PRODUCTS

8

*We design, manufacture and  
install, on a turnkey basis, your  
power plant.*



## Thermal fluids

We provide industrial heaters for thermal and electrical power generation. Our custom-made products are ready to use biomass, fossil or waste-to-energy.

- Thermal oil
- Hot and overheated water
- Steam
- Molten salts
- Gas generation



## Combustion systems

We design the optimal combustion system according to the fuel characteristics and the project's technical specifications. Our combustion systems can burn fossil fuel, biomass or wastes suitable for energy recovery.

- Burner
- Underfeed stocker
- Pusher grate
- Travelling grate
- Dust injection
- Fluidized bed



## Special plants



- **ORC**

Combustion plants burning solid wastes for electrical/thermal power generation (O.R.C.).

- **CSP Plants**

The auxiliary heaters in the solar thermal plants enable energy production when radiation is low, both in anti-freeze mode and for electrical power generation (393°C).

# SUGIMAT WORLDWIDE

12

- 10 International offices
- References in 28 countries





# POST-SALES

14



What is our response to  
breakdowns?



24/7 telephone  
assistance



On-site  
sup



# 3.

## POST-SALES



15



technical  
port



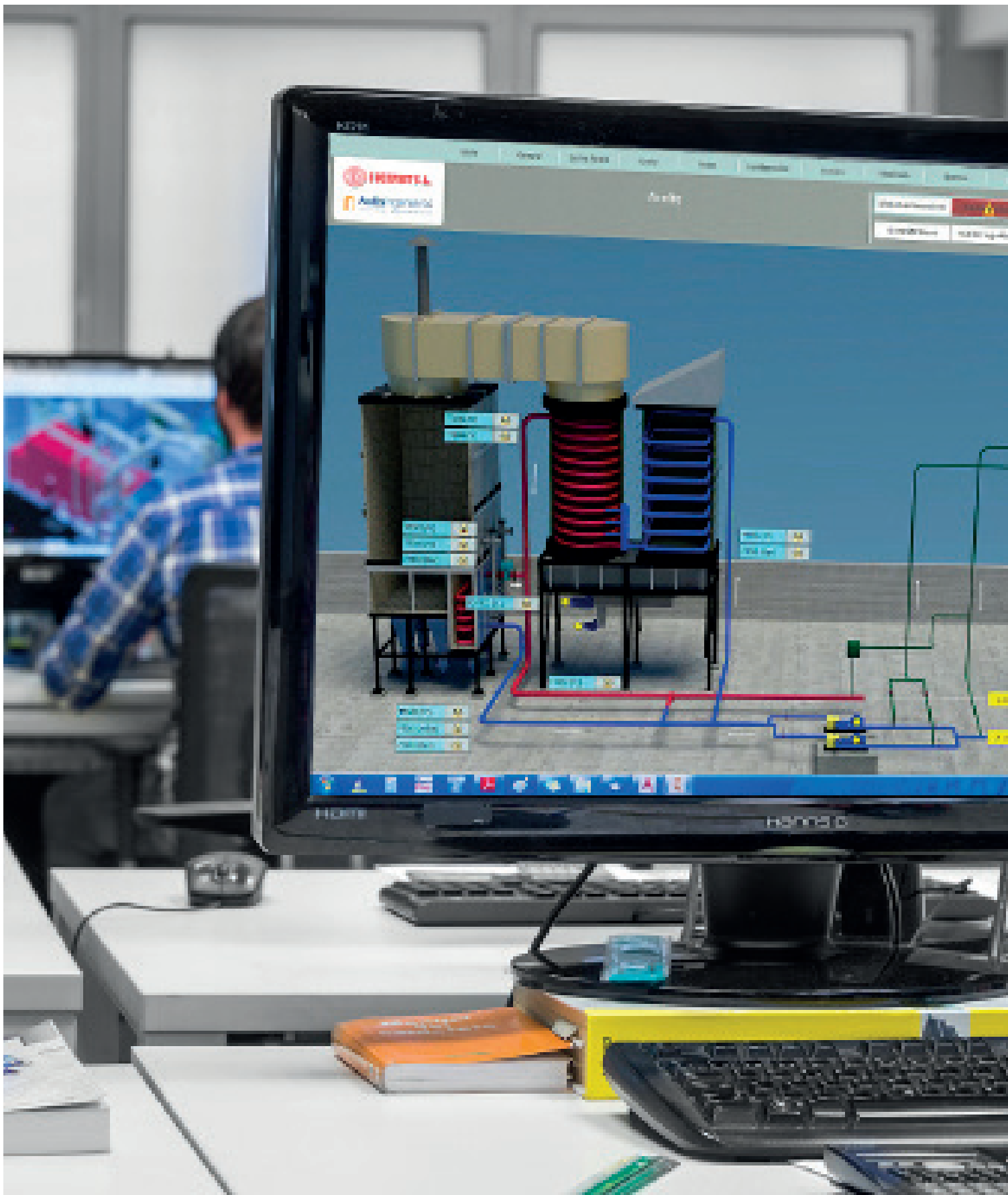
Remote technical  
assistance



Customer  
satisfaction

# CONTROL SYSTEMS

16

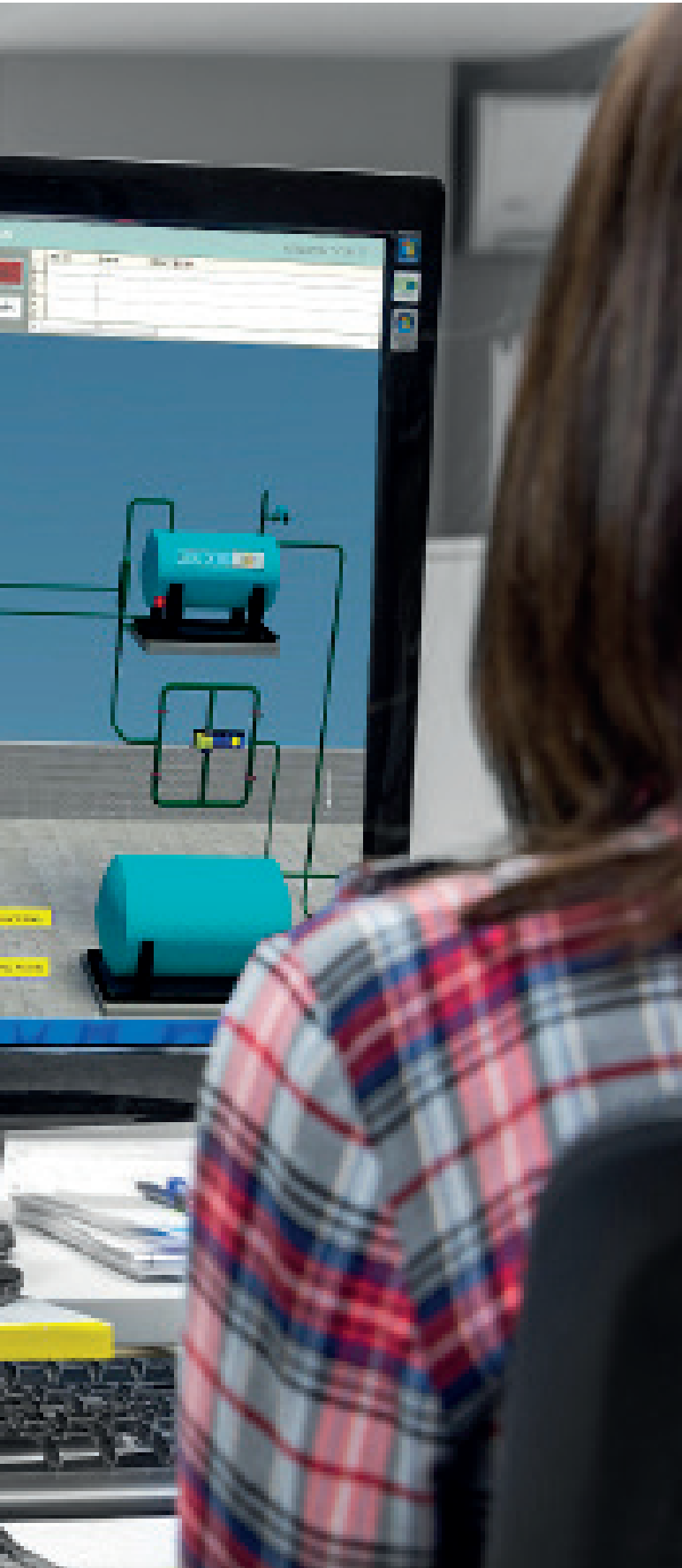




# 4.

## CONTROL SYSTEMS

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We work with the newest technology in a world where everything is interconnected through Big Data and Industry 4.0.

17

### Process control

- **Personalized Remote Supervision**  
Plant monitoring and follow-up from our offices for an immediate response by our specialists.
- **Scada**  
Software for remote control centre management systems of the thermal power plant, from the client's facilities.

# CASE STUDIES



18

## Ashalim

**Site:** Ashalim (Israel) / Neguev Desert

**Status:** operational

**Type of fuel:** natural gas / diesel

**Net power per unit:** 25 MW

**Total net power:** 125 MW

**Implementation:** 5 vertical thermal oil heaters with dual burner



## Quesos Cerrato

**Site:** Baltanás (Palencia)

**Status:** operational

**Type of fuel:** straw pellet

**Net power per unit:** 4000 KW

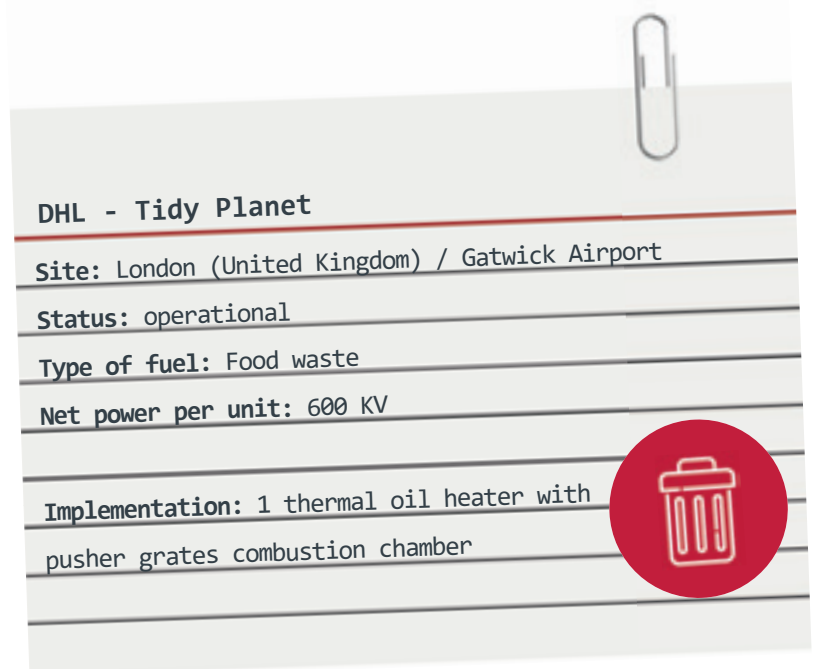
**Implementation:** 1 steam heating  
travelling grate combustion

# 5.

## CASE STUDIES



19





# SECTORS



Textile and tuning



Paper and cardboard



Thermosolar energy



Chemical and pharmaceutical



Agroindustrial



Mining and cement



# 6.

## SECTORS







THE FOOD  
WASTE EXPERTS



We have joined the best international partners to provide a first-quality service to our customers.

# 8.

## CUSTOMERS







GENERALITAT  
VALENCIANA

IVACE  
INSTITUT VALENCIÀ DE  
INNOVACIÓ I CREATIVITAT EMPRESARIAL



Fondo Europeo de  
Desarrollo Regional  
Una manera de hacer Europa

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France	✉	<a href="mailto:sales.france@sugimat.com">sales.france@sugimat.com</a>
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Poland	✉	<a href="mailto:sales.poland@sugimat.com">sales.poland@sugimat.com</a>
Portugal	✉	<a href="mailto:sales.portugal@sugimat.com">sales.portugal@sugimat.com</a>
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