



**Interreg
Sudoe**



Co-funded by
the European Union

RESINSURF

RESINSURF WEBINARS

WEBINAR 1

An objective difficult to REACH.

A Guide to **REACH Compliance** for Surface Treatment Professionals.



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PART 2: RESINSURF – Your helping hand.

- 1 Our proposed solutions
- 2 We help you getting ready for the transition



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Main goal of RESINSURF



Develop a **common strategy** for the **replacement** of current coatings and surface treatments based on Cr(VI) with processes that promote **intelligent** and **sustainable** growth of the **SUDOE** space.



ACTION LINE 1

Development of the **technical solutions**.



ACTION LINE 2

Capacitation of young professionals and employees + efficient **technical transfer**.





Our technical SOLUTIONS

During this Project **two pilot actions** are carried out with the objective of generating **greener** and **smarter** solutions to substitute current Cr(VI)-based surface treatments.



Solution 1: Cr(VI)-free **hard chromium** coatings.



Solution 2: Cr-free surface treatments and coatings for **light alloys**.



Solution 1: Cr(VI)-free **hard chromium** coatings.

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surface engineering

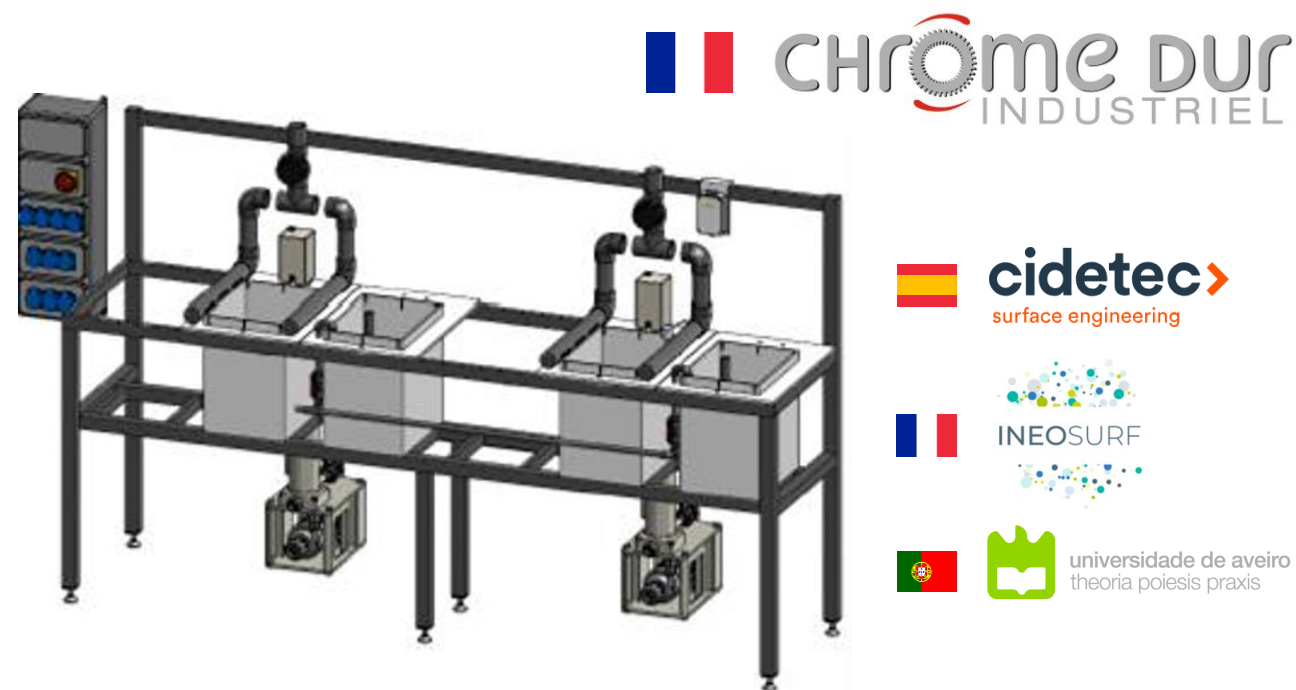


- **Chromium coatings will be performed with:**
 - Organic electrolyte (commercial)
 - Inorganic electrolyte (in-house formulated)
- **Monitoring techniques** will be developed and implemented for the analysis of the electrolytes.
- **The resulting coatings will be characterized.**



Solution 1: Cr(VI)-free **hard chromium** coatings.

The process will be first optimized and scaled-up at CIDETEC (Spain) to be later implemented and validated at the facilities of Chrome Dur Industriel, in France.





Solution 2: Cr-free surface treatments and coatings for **light alloys**.

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■ Stage 1 - Pretreatment tests:

- Anodization
- Conversion layer

■ Stage 2 – Lacquer-based treatment

With the incorporation of Smallmatek's corrosion inhibitors.



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Solution 2: Cr-free surface treatments and coatings for **light alloys**.



- The process will then be implemented and tested in TITANIA's facilities (Spain).
- An alternative variant of the process will also be developed and tested in PRIFER (Portugal).

With the support of:





Monitoring

- **Reconditioning of established online monitorization technologies and methods.**
 - pH and conductivity probes
 - Automatized online analyzers
- **Development and validation of new online monitoring technologies.**



We help you GETTING READY For the transition

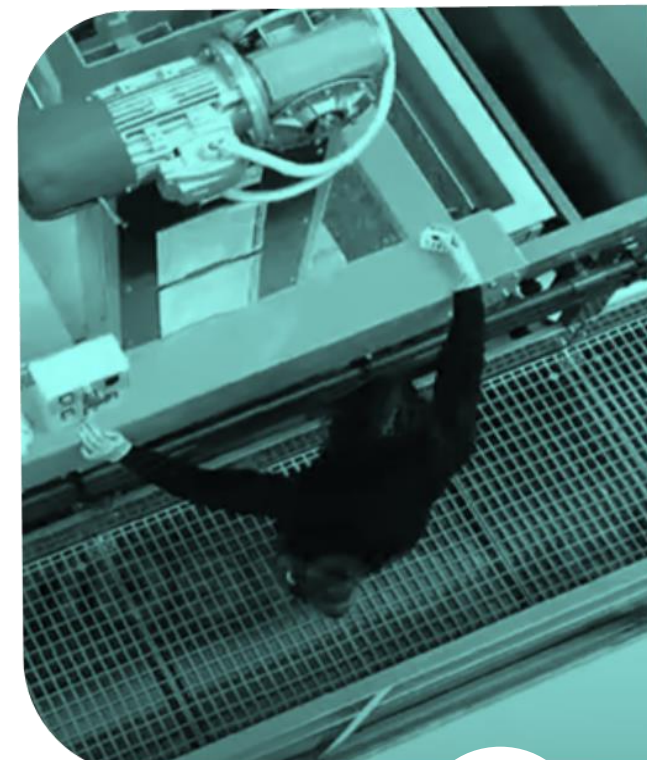
To support the implementation of the developed solutions,
we will organize **training and capacitation** events:

Webinars

Training schools

Workshops

Open days





Webinars

describing the developed solutions (2025-2026).



Planned webinars:

■ REACH and RESINSURF 

■ Cr(VI)-free hard chromium coatings. 

■ Cr-free surface treatments for light alloys. 

■ Monitorization of the processes

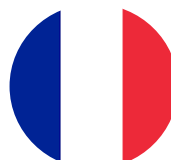




Training schools for students and professionals (2025-2026).



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IVERSITÉ
DE PAU ET DES
PAYS DE L'ADOUR



UCA
Universidad
de Cádiz

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Workshops in renowned
Fairs and Conferences (2026).



Tentative (2026):
SURFAIR
SIANE



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Tentative (2026):
SICT



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Tentative (2026):
Advance manufactures BCN
BIEMH
Expoquimia

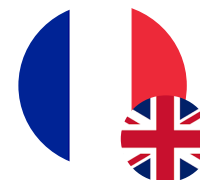


Open days

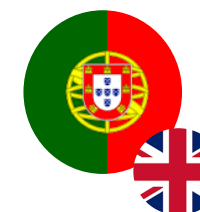
to visit our facilities and pilot plants (2026).



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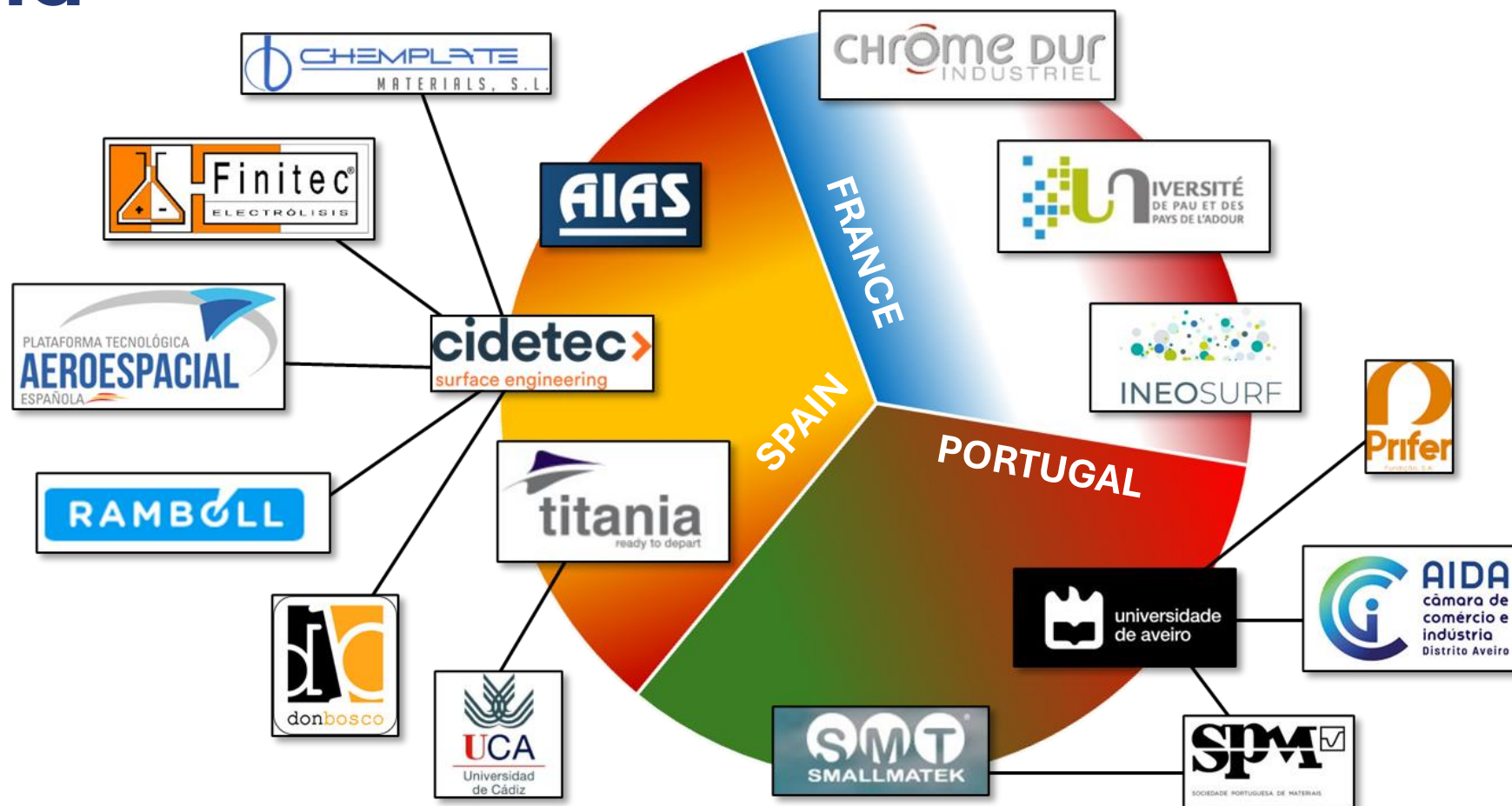
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INDUSTRIEL



SMT
SMALLMATEK



Partners and associates





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RESINSURF

Towards more resilient, sustainable, competitive and
intelligent electrochemical surface treatments

Interreg Sudoe is a European Union funding program aimed at supporting regional development and cohesion in
the **southwest regions of Europe**.

To address **common challenges** faced by Sudoe regions such as climate change adaptation,
social cohesion, and territorial balance, we support **cooperation projects** among entities from the
member states within this area.

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Cooperation is in your hands

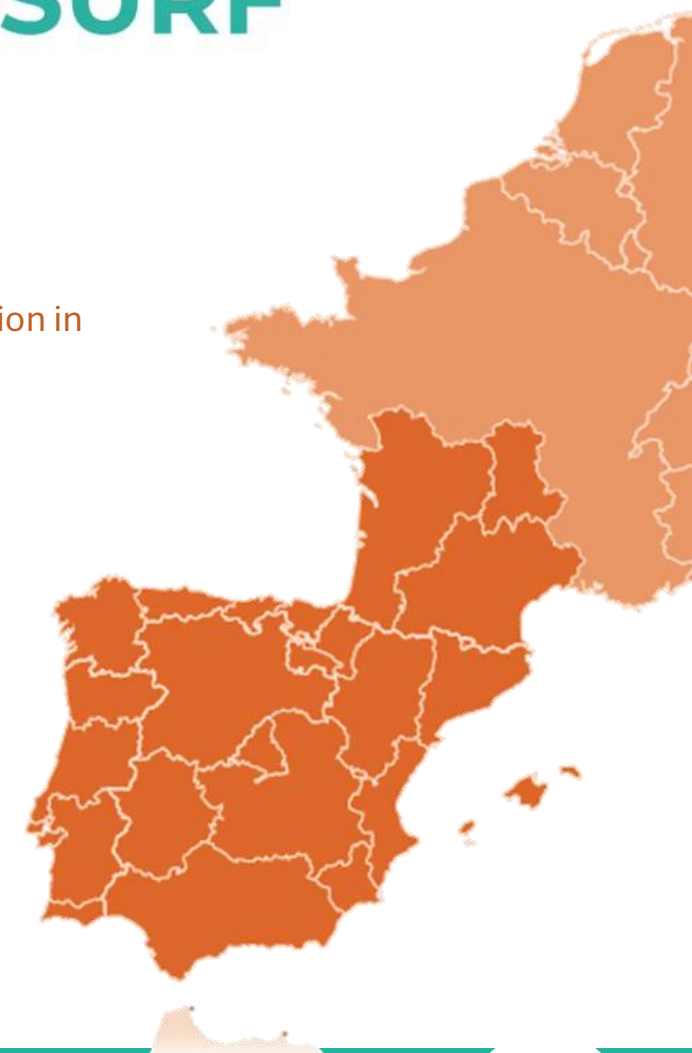


Project co-financed by the **Interreg Sudoe**
Programme through the **European Regional**
Development Fund (ERDF).

FEDER aid: €1,470,563.61

Total cost: €1,960,751.46

<https://interreg-sudoe.eu/proyecto-interreg/resinsurf/>





Let us keep you updated!

<https://interreg-sudoe.eu/proyecto-interreg/resinsurf/>

We can stay connected

#RESINSURF
#GreenerSmarterTogether

