

## Partner search

**Company: GROUP ACW**

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### Short Company presentation

(R & D guidelines, international activities, etc.)

The GROUP ACW is a materials engineering corporation specialized in stainless steel tanks and pipelines for bioprocessing in the sectors such as pharmaceutical, food and beverage, brewing, biotechnology and correlates.

We believe that it is possible to eliminate the microbiological contamination and corrosion in the industrial bioprocessing throughout an excellent service regarding surface engineering.

We are dedicated to be recognized as the most qualified engineering company to delivery excellent services of inspection, passivation treatment AND electropolishing for the pharmaceutical industry and the bioprocessing sector.

The GROUP ACW is an applied science-based company and the unique company able to perform on-site electrochemical techniques (PassivityScan) to quantify and qualify the surface passivation properties of stainless steels, quite useful to be considered in qualification of passivated and electropolished surfaces. Also, the PassivityScan has showed high performance in inspection and investigation of facilities used in production process by life-science and food-grade industries, in order to eliminate corrosion and biofilm contamination.

Currently the GROUP ACW has been working in a new on-site technology to perform galvanostatic chemical passivation in stainless steel tanks, and by using this technology reach the highest chromium and iron ratio, such as 2.5:1, in a low

cost of operation. This means that the customers could apply the passivation treatment in a high-quality level and paying less for the service.

The GROUP ACW currently has business related to the Ziemann-Holvrieka that is one big tank manufacture based on Germany, and GROUP ACW has a branch in Hamilton-Canada in progress to work in the pharmaceutical hub of great Toronto.

## **DESCRIPTION OF ITS TECHNOLOGY AND CAPABILITIES IN R & D**

**(Products, technologies, applications, services, etc.)**

GROUP ACW have worked in:

- Chemical passivation treatment of stainless-steel tanks and pipelines used by life-science and food-grade industries (specially pharmaceutical companies).
- De-rouging chemical treatments;
- Localized electropolishing;
- Electropolishing of pipes and miscellaneous;
- Engineer and inspections services.

GROUP ACW has a granted patent about on-site electrochemical techniques to characterize the passivation properties and corrosion resistance.

## **PROPOSED COLLABORATIVE PROJECT IN R & D**

**(As much detail as possible, both in what it offers and what you want in a potential partner)**

Considering that the GROUP ACW is a service company its interest in Madrid is related to:

- Elaborate a business plan to implement an international startup in Madrid region: Madrid has a great innovation park about food/agri industry named Madri Food Innovation Hub and the equipments & facilities used by food-industries and agriculture business need the technical support that ACW offer (<https://madridfoodinnovationhub.com/en/>).
- As an international tec startup, ACW is interested to stablish collaborative research with an university, specifically the electrochemistry department or materials science department, in order to figure out more details related to the application in the Spain area of on-site electrochemical techniques to characterize stainless steel facilities and galvanostatic passivation treatment for improve the facilities performance in terms of low biological contamination and corrosion degradation.

On the other hand, what The GROUP ACW offer is:

- The partner will share the branch quotes according the characteristics of the business.
- Co-author of patent and/or technology that will be a result about the Spain R&D project.
- Participate in projects and share the results about financial founds/supports obtained as an international tec startup.
- Co-author in technical and scientific publications.

**General comments:**

- By sending this information document authorizing its dissemination.
- Company webpage: [www.groupacw.com](http://www.groupacw.com)