

THE 6TH ANNUAL

# Green Industrial Coating Asia



## 2013 International Symposium

24-25 September 2013 | Shanghai China

1  
Roundtable  
Panel



5+  
Hours  
Networking

### Nanotechnology in Corrosion protection

Nowadays few paints and coatings containing nanoparticles have reached the market and found wide application. The result of this need for innovation is a nanostructured anticorrosion protective coating combining the traditional know-how of coating formulation with nanotechnology. Nanto Protective Coating Srl is proprietary of the patented nanoclay formulations designed to improve viscosity and barrier properties of coatings and polymer by increasing the barrier effect to oxygen, humidity and chemical agents. Nanoclays are composed of layered aluminosilicates bound together by  $\text{Na}^+$  ions. In nature they form a closed structure that, to be useful, has to be delaminated (exfoliated). Proper exfoliation and orientation of the nanoclay platelets reduce permeability in the paint system. Nanto Protective Coating products, Primers, intermediate and top coat, are unique in that they combine the features of high end anticorrosion coatings with the additional benefits of innovative nanoparticles as barrier elements. These nanostructured anti-corrosion products are developed to create durable and cost effective systems to defeat corrosion even in the most challenging environments.

**Roberto Cafagna**  
CEO  
**NANTO Protective Coating Srl**

