



Paint sprayers and associated gear, including water blasters and compressors for the building, automotive and wood industries were prominent at the Strouds stand



Protecting steel structures from corrosion using wire flame- or arc-sprayed zinc, aluminium and other alloys is a major metal spray activity of Metal Spray Suppliers

Inaugural Coatings and Corrosion event a success

The first NZ Coatings & Corrosion Conference and Exhibition at the Ellerslie Events Centre in Auckland in July attracted close to 200 industry professionals, including engineers, asset managers, infrastructure developers and maintenance personnel, both from the public and private sectors.

The two-day conference organised by Conferenz saw domestic and international experts present case studies and discussed issues of significance to the industry.

World Corrosion Organisation past president Wayne Burns gave the international keynote address which promoted awareness of corrosion and control for the socio-economic benefit of society, preservation of resources and protection of the environment. According to Mr Burns, the total cost of corrosion-related repairs and control in the US in 2013 exceeded \$1 trillion for the first time – and the cost in New Zealand is rising annually too. "It produces significant safety and environmental consequences and its control is therefore essential," he says.

Dulux Powder and Industrial Coatings business sector manager Andrew Allan presented a case study for thermoplastic coating for corrosion protection. He says, "Thermoplastic coatings are used in tough environments throughout the world and these coatings can prolong the lifespan of

assets in New Zealand."

Also of interest was a presentation on nanostructured coatings and their applications by Auckland University School of Engineering professor Wei Gao. Various processing techniques have been used to produce nanocoatings, including electroplating, electroless deposition, magnetron sputtering, chemical vapour deposition, sol-gel methods, and the combinations of several methods.

Also special properties have been achieved by microstructural control, but Professor Gao says "the emphasis now is on the industrial applications including surface protection and environmental technology".

G-Group Consulting managing director Murray Gilbertson delivered topical information for asset managers and explained why it is important to protect existing concrete structures from chloride and other forms of attack by utilising the internal matrix. Pheonix Solutions director and principal consultant Sean Ryder discussed methods of

cathodic protection for reinforced concrete and steel assets. Galvanizers Association of Australia chief executive Peter Golding gave an insight into new and updated corrosion and coating standards.

One of the attendees, TechPro Plus Ltd principal engineer Katalin Csikasz, says it was great to be at a conference filled with corrosion prevention industry experts and other stakeholders and to learn about the latest innovative practices in engineering solutions, products and applications for corrosion prevention through design. "Reconnecting with people I have had dealings with and making new connections added greatly to the value of my time at the conference," Ms Csikasz says. "Kudos to Conferenz for a job well done!"

Ms Csikasz says the most effective way to minimise corrosion is to incorporate corrosion prevention into the design, followed by periodic inspections. "This is one area on which TechPro Plus focuses closely in its engineering design services," she says. The

corrosion-prevention-by-design approach was used effectively for the Wellington in-sea planted Wind Sculpture Art Project developed for CSP Pacific, where the very harsh, corrosive conditions necessitated an innovative design solution and application of Oclyte Tuff CoatTM under the decorative outer paint. As well as prevention by design, TechPro Plus also operates in a post-prevention area by inspecting corrosion, assessing a wide range of structures and minimising maintenance cost by recommending early prevention options.

Apart from the conference, the event was also supported by an impressive line up of sponsors and exhibitors, including International, Dulux Paints, Kulorthene, Altex Coatings, Blastquip, Carboline, Elcometer, Elite, Galvanizing Association NZ, Hempel, Industrial Minerals, Metal Spray Suppliers, RA Johnstone, Rust-oleum, Strouds and Syntech.

Blastquip operations manager Jodie Ivory says the Blastquip team enjoyed attending

Kulorthene Thermoplastic Coating from Dulux Receives Certification for Offshore Corrosion Protection Applications (ISO 20340)



High performance thermoplastic powder coating system resists most severe conditions - with only one layer.

Coatings for parts and components used in offshore environments have to fulfil stringent requirements. High humidity and saline air in combination with intense UV radiation create a highly corrosive environment. At the same time, the coating is exposed to extreme mechanical stress in the splash zone. Kulorthene Abcite® 1060/X60, which already meets the

requirements of ISO 12944-6 for corrosion protection class C5-M High (Offshore and Marine) and Im3 High (Underground), has proved its worth for many years under these conditions.

Steel panels coated in Kulorthene Abcite® 1060/X60 and scribed were exposed to environmental stresses including salt spray, UV radiation and temperature shocks for 25 weeks. After 25 test cycles no external damage of the coated layer was observed and the scribed areas

did not show any corrosion. The coating was applied to the steel substrate without a primer or any other adhesion promoters and as a single layer, illustrating that it offers a degree of corrosion protection usually achieved by a three- to five-layer liquid paint system.

For more information:

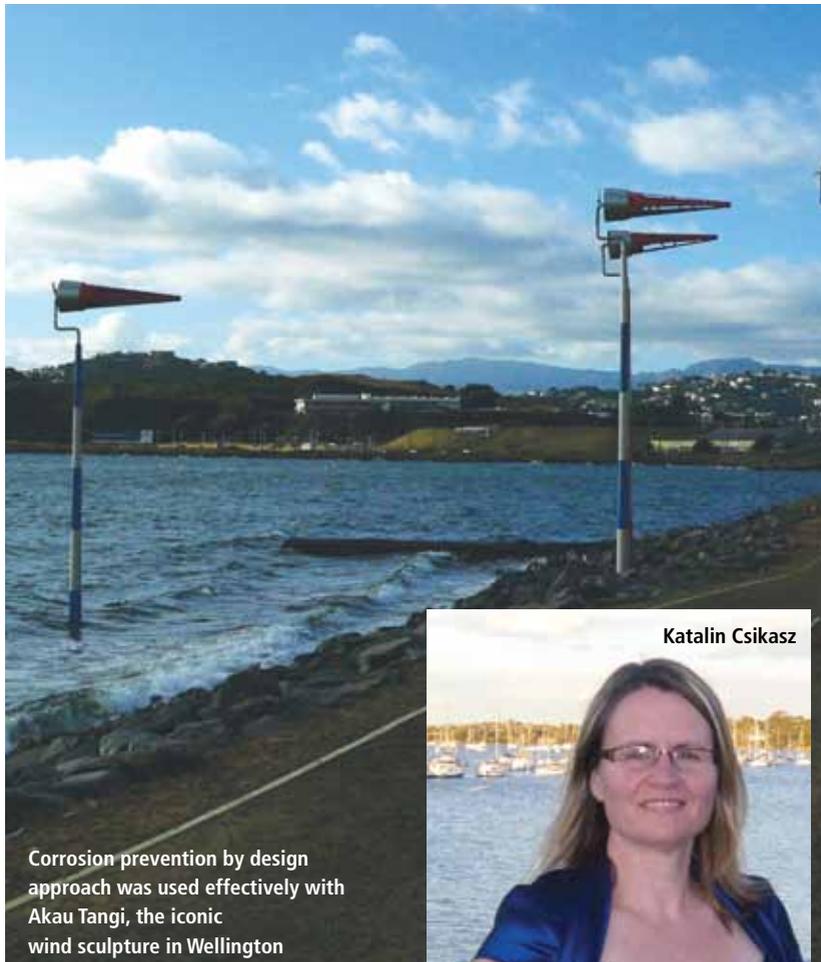
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Syntech's surface finishing total-packaged solutions, from design, fabrication, installation, through to commissioning and on-going maintenance support were a big part of its presentation at the event



Katalin Csikasz

Corrosion prevention by design approach was used effectively with Akau Tangi, the iconic wind sculpture in Wellington

the Coating and Corrosion Show. "It was a great opportunity to meet new people in the industry and catch up with industry peers we have been working with for 20 years!"

She says the exhibition was a "great success" and gave an opportunity to showcase some exciting new Blastquip products to the industry.

"Attendees enjoyed the chance to view products hands-on, seeing for themselves what all the excitement has been about. The draw to win a PosiTector Gauge, one of the most economical gauges available, with a choice of coating thickness, surface profile or Dewpoint attachment proved to be very popular with many attendees," she says. The PosiTector Inspectors kit is the latest in Coating and Corrosion inspection technolo-

gy where one inspection gauge is supplied with three probes to measure surface profile, dew point/surface temperature and coating thickness. The PosiTector user has the ability to connect wirelessly or remotely to mobile devices and record readings and print reports instantly or at a later date.

"The PosiTector Inspection kits proved to be one of the most popular items on display and Blastquip have had record sales of the kits since the exhibition," Ms Ivory says. "Coating and Corrosion 2014 was a success!"

The next NZ Coatings and Corrosion Conference and Exhibition will run in July 2015. Visit www.conferenz.co.nz for updates.



The PosiTector Inspection kits proved to be one of the most popular items on display at Blastquip

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