

# Supplier Development and Localisation Seminar

– Hard Facing, Cladding, Elastomer Moulding, 5-Axis Waterjet Cutting and On-site Exotic Material Machining (14 Feb 2011)

This Oil & Gas-based Supplier Development and Localisation Seminar attracted 76 local participants from 35 companies. Mr Alex MacGregor, Development Manager of Managed Pressure Operations (MPO) provided an overview of the challenges involved, particularly with pressure built-up in deep sub-sea wells and floating platform.



▲ Mr Alex MacGregor, Development Manager, MPO

Alex further gave the potential suppliers a perspective of the support required from our local companies. These include the provision of cladding, hard-facing, elastomeric seal moulding and 5-axis waterjet machining services. In addition, MPO is seeking to collaborate with companies to jointly develop on-site inspection, cladding and machining services for extremely long barrels which cannot be logistically transported to Singapore.

Four speakers from SIMTech shared the institute's expertise, experience and case studies. Dr Lim Beng Siong provided an overview of the challenges involved with the hard-facing, cladding and spraying of exotic material to cater for extreme temperature, pressure and highly corrosive wells. The successful industrial development, characterisation and implementation of high velocity oxy-fuel techniques for cermet and polymeric deposition to prolong the useful life of oil tools were given by Mr Tan Boon Hee. Dr Bi Guijun shared some of the case studies from the marine, energy and Oil & Gas sector together with the productivity and quality gained by industry using SIMTech Fibre Laser technique for the cladding of Nickel and Titanium-based alloys. Mr Pan Dayou presented a detailed integrity, quality and productivity comparison between laser cladding and arc welding of Inconel 625.



▲ Key representative of local SME involved with Oil & Gas

Arising from this PE COI's industry development initiative, MPO is able to rapidly connect, develop and nurture its key suppliers in Singapore. This will further help to sustain the

commercial viability of local companies involved with on-site machining, cladding, hard-facing, elastomeric seals and water-jet cutting in the Oil & Gas sector.



▲ Seminar generated strong industry interest



▲ Mr Alex MacGregor in discussion with some members

Contact us for your potential roles and contributions in growing these promising sectors:

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