

You are cordially invited to attend the presentation:

Overview of the Use of Polymeric Repair and Protection Materials within the Marine Industry

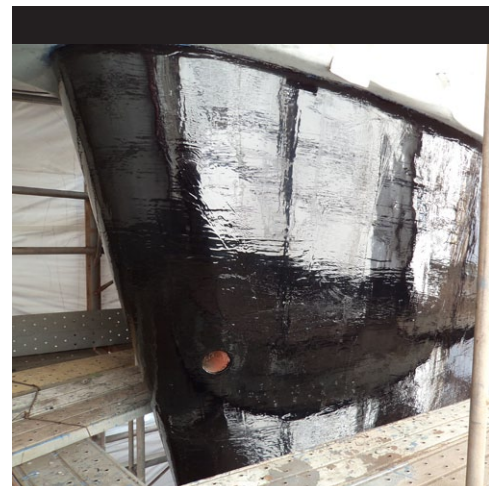
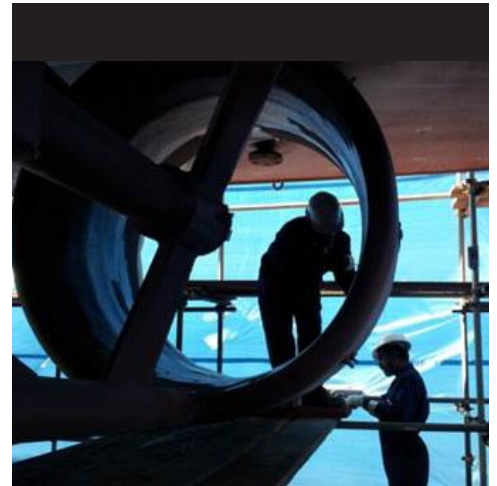
Monday, 16th May,
Cape Town

Tuesday, 17th May, 17:30 to 18:00.
Berea Rovers, 73 Jacko Jackson Dr, Durban

Polymer technology has revolutionized marine new construction, repair and maintenance procedures. **Polymeric engineering composites and coatings** offer a combination of benefits rarely found in conventional methods, which will help to extend equipment and asset life, improve efficiency and safety, reduce dry docking time and lower maintenance cost and capital expenditure.

AESSEAL (Pty) Ltd in collaboration with the South African Institute of Marine Engineers and Naval Architects (SAIMENA) are pleased to invite SAIMENA members to a presentation delivered by **Mr D.J. Blackwell**, Engineering Director for Belzona Polymerics Ltd. and NACE Coatings Inspection Programme (CIP) certified Instructor. The presentation will focus on driving forward cost savings with the use of polymeric materials, covering the following topics:

- **Repair and protection of underwater equipment affected by cavitation**
Cavitation damage in areas such as rudders, propellers, jet tubes and kort nozzles can be repaired without the use of hot work, and a combination of ceramic and polyurethane coatings can be used to protect the equipment, stopping corrosion and significantly slowing down erosion.
- **Rudder bush installation with the use of injection techniques**
The use of Belzona materials for installation of rudder bearings began in 1977 as collaboration between Belzona and Germanischer Lloyd. Nowadays, this method is widely used around the world for repairs or new construction.
- **Polymeric cold bonding techniques for installation of equipment and structures**
Belzona cold bonding solutions are extensively utilised within the Marine industry, from deck and hull renovation to equipment repairs such as cracked engine casings.
- **Overview of other polymeric solutions and applications within the Marine industry**





Presenter: Mr D.J. Blackwell

The presentation will be delivered by Mr D.J. Blackwell, Engineering Director for Belzona Polymerics.

David is a fully qualified UK Department of Trade Class 1 Marine Engineer by training, having spent

his first 14 years in Industry as an Engineering Officer with the Shell Group of Companies.

Shortly after leaving the sea, David joined the Belzona Group of Companies in 1987 as a Field Service Engineer. Since that time he has served in many capacities within the company including Field Service Engineer, Sales Engineer, Sales Manager,

UK Technical Manager and Business Development Manager with particular responsibility for the Middle East and the continent of Africa. Most recently, David was appointed Belzona Group Technical Service Manager and finally, Engineering Director.

As Engineering Director, David has the responsibility for sales and distribution of the Belzona products throughout Europe and Africa and also for the Technical Service and Training Operations for Belzona personnel and its Distribution network. David is also a Director of Belzona Technosol; the direct labour Application and Coatings Inspection Service Division of the Belzona Group of Companies.

David holds a NACE Level Three certification for Coatings inspection and is a NACE Coatings Inspection Programme (CIP) certified Instructor.

AESSEAL (Pty) Ltd & Belzona

AESSEAL (Pty) Ltd is the Exclusive Authorised Distributor for Belzona Products for the Southern Africa Region providing a full turnkey service to customers in South Africa, Zimbabwe, Angola, Kenya, Tanzania, Mozambique, Namibia, Botswana, Malawi and Madagascar. AESSEAL have been working in partnership with Belzona for nearly twenty years, and since their inception, the company has made its presence felt in the local market by setting new standards in respect of lead times, service requirements, cost structures and performance levels. Used in conjunction with AESSEAL's award winning pump repair and industrial maintenance work, the Belzona product range compliments AESSEAL's services to ensure the best possible repair and protection solutions for customers.

Belzona was established as Northern Metalife Ltd, in Elland, West Yorkshire, England in 1952 by specialising in the flame spraying of steel with zinc to provide corrosion protection. Belzona pioneered the first use of zinc filled epoxy primers for steel protection and have since become a global leader in providing industrial protective coatings and repair composites.

