INTRODUCING THE AUSTAL WIND EXPRESS SERIES: Combining fuel efficiency with advanced seakeeping characteristics, Austal’s new series of Wind Express platforms are the premier transportation solution for the burgeoning offshore wind farm industry.

By utilizing Austal’s world-renowned advanced hull design and engineering capabilities, each vessel is specifically designed to provide offshore wind farm operators with a rugged, reliable and efficient multi-purpose workboat platform.

Characterised by their optimum personnel comfort and safety, each vessel in the Wind Express series can be further customised to suit specific sea conditions, routes, and payload requirements.

Austal’s patented Ride Control System (RCS) - successfully proven in commercial operation for more than two decades - ensures a safer, more productive platform, even when conditions get rough.

Like all Austal vessels, the Wind Express series offers the peace-of-mind that comes from dealing with a highly experienced shipbuilder with an established network of vessel support and maintenance centres worldwide.

As the largest aluminium shipbuilder in the world, Austal also has the unrivalled production capacity to facilitate fast, cost-effective delivery of multi-vessel fleets.

ABOUT AUSTAL

Austal is the world’s leading designer and builder of customised, high-performance aluminium vessels for both commercial and defence applications and has delivered more than 230 vessels to customers around the world. Austal is a global defence prime contractor, and is also an established provider of worldwide vessel maintenance and support services.

Austal’s product range includes wind farm support vessels; passenger and vehicle-passenger ferries; offshore service vessels; and leisure and tourism vessels, as well as its revolutionary defence and paramilitary platforms including combat ships; multi-role vessels; patrol boats; and theatre support vessels. Austal also designs, installs, integrates and maintains sophisticated communications, radar and command and control systems.

As well as being the largest aluminium shipbuilder in the world, a unique capability to deliver customised solutions means Austal has experience with vessels ranging from 16 metres to 127 metres in length, featuring monohull, catamaran or trimaran hull forms.

With manufacturing facilities, service centres and sales offices in strategic regional locations, Austal is well placed to provide a rapid response to the needs of its customers worldwide.

WHY AUSTAL?

CUSTOMISED VESSELS
Large, experienced in-house design team.

SHORT DELIVERY TIMES
Powerful and efficient productive capacity.

INNOVATIVE DESIGNS
Dedicated research and development team.

ON-GOING SUPPORT
Global warranty and service network.

LOW RISK SUPPLIER
Financial strength and sound management.

HIGH QUALITY
Technologically advanced and market proven vessels.

CUSTOMER FOCUS
Customer satisfaction by meeting agreed requirements.

CAPABILITY DELIVERY
Specified performance delivered on time.

AUSTAL WIND EXPRESS SERIES

Innovative designs combined with powerful and efficient productive capacity, expansive on-going support, and a dedicated research and development team result in the premier offshore wind farm transportation platform.

Austal’s Wind Express series includes vessels up to 127 metres in length, with monohull, catamaran and trimaran hull forms. These vessels are equipped with Austal’s world-renowned advanced hull design and engineering capabilities, ensuring safe, efficient and productive operations even in rough conditions.

Each vessel in the Wind Express series is customised to suit specific sea conditions, routes, and payload requirements, providing offshore wind farm operators with a rugged, reliable and efficient multi-purpose workboat platform.

Austal’s patented Ride Control System (RCS) ensures a safer, more productive platform, even when conditions get tough. This system has been successfully proven in commercial operation for more than two decades.

Austal is a global defence prime contractor and is also an established provider of worldwide vessel maintenance and support services. With manufacturing facilities, service centres and sales offices in strategic regional locations, Austal is well placed to provide a rapid response to the needs of its customers worldwide.

Like all Austal vessels, the Wind Express series offers the peace-of-mind that comes from dealing with a highly experienced shipbuilder with an established network of vessel support and maintenance centres worldwide. As the largest aluminium shipbuilder in the world, Austal also has the unrivalled production capacity to facilitate fast, cost-effective delivery of multi-vessel fleets.
Wind Express Catamaran Range: A rugged and versatile platform that delivers stability and fuel efficiency through its refined catamaran hull form. Austal’s Wind Express catamarans are specifically designed for operation in rough sea conditions.

Efficient Performance
Austal’s refined catamaran hull form requires less power and fuel to meet operational requirements, delivering greater range and lower operating costs.

Safe and Stable
The advanced hull form dampens vessel motions in high sea states.

Maximum Productivity
Reduced sea sickness, greater payload capacity and a wider operating envelope ensures maximum productivity.

Practical Arrangement
The offshore environment is hazardous, making a sensible layout onboard critical. Comfortable crew accommodation, high quality interior fitout, walk around engine room, good visibility and fore and aft cargo stowing makes for an unbeatable platform.

Proven Construction
By drawing on established and proven build standards in use across over 220 vessels, Austal possesses a comprehensive understanding of the behaviour of welded aluminium. Correctly designed aluminium structures will operate effectively for up to 30 years without any structural issues or the need for a single coat of paint.

Proven Design
Austal’s advanced Z-Bow hull form has already been successfully implemented on over 30 vessel deliveries. Considerable research has gone into the development of this hull form.

Rough Weather Performance
When conditions get rough, Austal’s Wind Express series outperforms its competitors. Austal’s advanced Z-Bow hull form coupled with high tunnel clearance allows the vessel to maintain higher speeds in waves.
WIND EXPRESS TRI SWATH RANGE: Utilising a unique Austal-developed trimaran-SWATH hull form to deliver the highest possible levels of seakeeping, passenger comfort and fuel efficiency in rough sea conditions. This is achieved while maintaining a large working deck area and providing superior payload capacity.

ADVANCED SEAKEEPING
Austal’s TRI SWATH design combines the benefits of a SWATH hull form with Austal’s proven trimaran technology to deliver an optimal ride in up to Sea State 6.

STABILITY & PASSENGER COMFORT
Austal’s TRI SWATH hull form delivers a reduction in accelerations (sea sickness), providing safe and comfortable personnel transfer in high sea states.

PROVEN TECHNOLOGY
Austal’s trimaran technology has been proven in both commercial and defence operations since 2005.

PUSH ONTO TURBINE WITH EASE
When sea conditions worsen, a vessel’s ability to push onto the turbine is of most importance. Austal’s TRI SWATH can stay pinned to the turbine in higher sea states than the competition, maximising productivity and minimising downtime.

COMPREHENSIVE TANK TESTING
Significant investment has gone into the development of TRI SWATH technology including extensive calm water resistance, free running and seakeeping model tests.

SAFER TURBINE STEP OFF IN MORE CONDITIONS
The TRI SWATH range experiences lower vertical accelerations when operating at low speeds. The TRI SWATH therefore offers a safer working platform for turbine maintenance staff.

ENHANCED TECHNICIAN COMFORT THROUGH LOWER SEASICKNESS
The TRI SWATH range provides turbine maintenance staff a more comfortable transit to and from wind farms, when compared to the industry standard catamaran.
WIND EXPRESS TRI SWATH 54

Length Overall ............................................. 54m
Beam ..................................................... 14.7m
Personnel Accommodation ......................... 60
Speed ............................................ 24-26 knots
Range ........................................... 3,500nm @ 12 knots