

## Technical advantages = maximum value

### Innovative design

HexDefence is a unique scour protection system that provides seabed protection, effectively lowering operational costs and mitigating the risk of cable failure.

This innovative system offers a remarkable alternative to conventional scour protection methods, enhancing both structure stability and longevity.

### Increased cable safety and efficiency

HexDefence requires a smaller footprint compared to traditional methods, enabling cables to be buried closer to the structure. This enhances stability and reduces associated risks. By facilitating closer burial of cables to the structure, HexDefence reduces exposed cable sections by up to two-thirds, thus minimising fatigue and increasing cable lifespan.

### Reduced carbon footprint

HexDefence offers a sustainable alternative to traditional scour protection methods, minimising environmental impact.

### Cost-effective installation

Offered as individual segments, HexDefence can be installed as full assemblies or retrofitted as half rings, significantly reducing installation time and costs.

## Handling and installation

### Designed for efficiency

Concrete segments feature forklift pockets for easy handling and maneuvering, while bespoke tooling aids storage, lifting and installation.

### Flexible installation

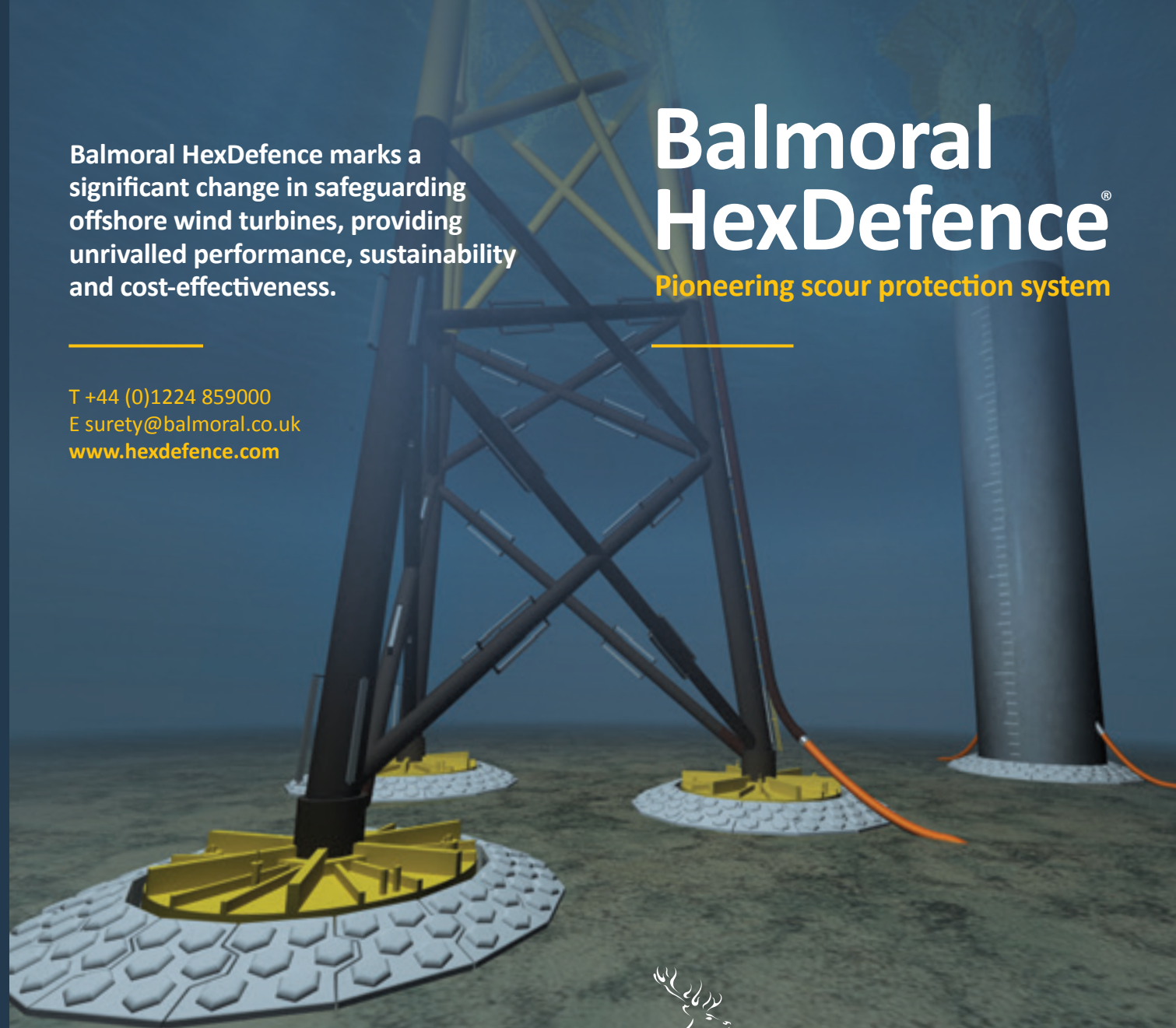
Leveraging existing vessels and handling equipment, HexDefence streamlines installation, minimising additional costs and environmental impact.

Balmoral HexDefence marks a significant change in safeguarding offshore wind turbines, providing unrivalled performance, sustainability and cost-effectiveness.

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# Balmoral HexDefence®

Pioneering scour protection system



 **BALMORAL COMTEC**  
a BALMORAL GROUP company

Balmoral HexDefence is an award-winning, globally patented solution that combats seabed scouring around fixed wind turbine structures, thereby helping to reduce costs, risks and carbon footprint associated with fixed offshore wind turbine operations.

Seabed scouring poses a critical threat, leading to erosion and compromising the stability of wind turbine foundations. HexDefence represents a pioneering approach to address this challenge, potentially eliminating the need for costly and carbon-intensive practices such as rock dumping.

