

Priority Opportunities:

Sixteen of the highest priority opportunities have been characterised against key criteria for market attractiveness and fit with UK capability (where a score of 4 represents most attractive / best fit) with the following results:

Opportunities	Market Attractiveness:					Triple bottom-line		Value	Fit with UK Capability					Fit	Total	
	Global Market Size	Home (UK) market size	Strength of competition	Added Value / Margin	Cross-sector opportunity	Planet / Environmental	People / Societal		Weighted Value	Marine Industry	University / Academic	RTO / Design Services	Other Industry			Other UK resources
Opportunity																
Maritime consulting	4	3	1	2	1	2	2		3	3	3	3	2	3		
Engine technology (reduced energy / emissions)	4	4	1	1	0	4	3		3	4	2	4	0	2		
Emission control & Exhaust Heat recovery => New build & retrofit	4	2	3	1	4	3	1		1	3	1	2	1	1		
Marine ICT & Information infrastructure	4	3	2	2	3	4	3		2	4	3	3	1	2		
Construction of offshore renewable energy assets	4	4	1	0	4	4	3		3	4	4	2	1	1		
In-service support of military and civilian vessels	4	4	1	1	2	2	3		4	4	4	3	3	3		
Military shipbuilding (for Export & UK)	4	1	1	1	2	1	1		2	2	3	1	1	2		
Autonomous systems & vehicles	4	3	2	2	3	3	4		1	4	3	1	2	1		
Marine biofuels & blue biotech	4	2	3	2	4	4	4		3	3	1	4	1	3		
Low friction coatings & Anti fouling	4	1	2	2	2	4	2		3	2	2	2	2	3		
Electrification of Propulsion (including Hybrid drives)	4	2	2	2	3	4	2		1	2	2	3	2	1		
Specialist vessels eg for offshore renewables or oil exploitation	4	2	1	1	0	2	1		2	1	1	2	2	2		
Efficient hull design	3	2	2	1	1	3	1		1	3	3	1	0	1		
Training and education facilities for seafarers	3	1	3	2	3	3	3		3	3	3	3	3	3		
New leisure marine products for developing markets	4	3	1	1	0	1	2		3	3	4	3	2	3		
Easy to use leisure navigation system (Sea TomTom)	4	1	1	3	0	1	3		2	2	3	2	2	2		

Next Steps:

These and further opportunities will be explored further in a series of five “Deep Dive” workshops throughout the Autumn, and the results used to focus the scope and targeting of a study into the relevant capabilities in the UK Marine Industries. See below for the programme overview:



How to get involved:

The roadmapping process needs the input of market and technology experts from across the Marine Industries. To find out more information visit the Transport KTN Website: <https://ktn.innovateuk.org/web/transportktn>