

CASE STUDY – DynaProa Platform



The push to decarbonise shipping is an ongoing issue with multiple technical challenges. Current proposals to add wind propulsion to existing tankers and containerships can only solve a proportion of the problem – the industry will need to go further.

Pacific proas have been a fast, efficient, & lightweight transport solution throughout history, but lost favour with the advent of steam & coal. As we strive towards cleaner shipping, and WASP technology gains traction, the DynaProa is a thought experiment of what a truly efficient modern sailing ship would look like.

With prevailing winds blowing directly across the Dover–Calais shipping route, and mean windspeeds over 15.5 knots for more than 50% of the year, sail power (and relatively short journey times) are ideal for zero-emissions sail powered passenger transport. We explored this concept further by also developing cargo & vehicle transport derivatives.

Argo staff have real world, hands on experience of designing and building large free-standing sailing rigs. We have used this knowledge, experience of several WASP projects we are working on, and our understanding of large multihulls to develop the DynaProa.

