






OUR MOST ENERGY EFFICIENT HPU

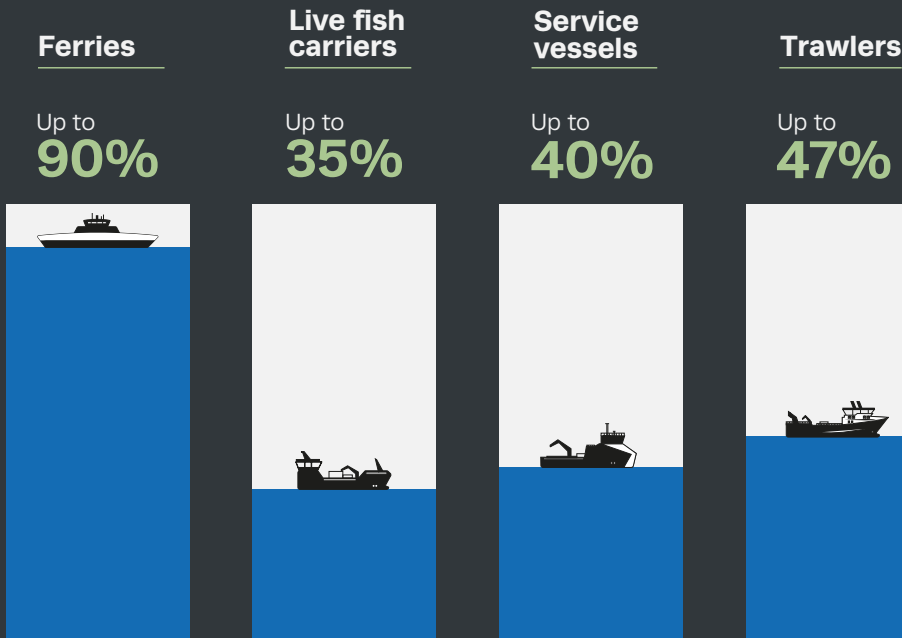
The **DIMO Eco Power Unit** was developed in response to the ferry market's demand for a more advanced HPU that could better address the current challenges posed by environmental concerns, economic factors, and energy consumption.

Today the DIMO EPU is in operation on multiple ferries, live fish carriers, trawlers and service vessels for fish farming.



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Energy savings
 Up to 90% less electric energy for motor and less/no cooling
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Lower noise emissions
 Up to 20 dB less noise.
 (approx. 70 db vs 88-90 dB)
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Lower total costs
 Smaller pump, less valves, smaller reservoir, less or no cooling and increased component life.

Energy savings in all segments



EPU in combination with HS Marine Cranes

Tight integration enables monitoring of the EPU directly from the crane controller.

Faster response is achieved since the EPU is connected to the crane's control system (PLC).

Significant reduction in power usage during crane operations, resulting in a reduced footprint.





SYSTEM ADVANTAGES

The EPU can be installed in existing systems without major rebuilding.

The EPU supports various functions such as constant pressure, load sensing, flow control applications, and power regulation.

Its power consumption regulation, capable of high flow at low pressure or low flow at high pressure, allows for the use of smaller motors.

With electronic load sensing, there is less need for piping and a faster response. Pressure sensors can be placed on each valve in the system, or multiple valves can share one sensor.

The pumps are self-regulating, ensuring equal running hours and never operating more pumps than necessary.

Remote support is available; the EPU can be connected to the internet for assistance with faultfinding or to adjust system parameters.

The EPU produces less heat in the oil compared to conventional systems, resulting in reduced power usage by cooling pumps on the vessel.

Furthermore, it has fewer components and moving parts than an HPU with piston pumps, leading to less wear on components.

