



Energieffektiva lösningar och leverantörer

Martin Andtfolk WE Tech

Svensk Sjöfarts medlemsmöte 7 mars 2017, Göteborg





What is a hybrid propulsion solution?

- Additional propulsion power from the shaft generator (PTI)
- Additional propulsion power from an energy storage system

Why a hybrid propulsion solution?

- High fuel savings
- Lower maintenance costs
- Lesser installed power
- Main Engine Optimisation
- EEDI
- Load Peak Shaving
- Battery Propulsion



Improved Energy Efficiency in machinery - compared with pre-2008 designs

Solution Five	WE Drive	Shaft Generator/ Motor	Hybrid Machinery	Ship wide DC Bus	Power Distribution
Solution Four	WE Drive	Shaft Generator/ Motor	Hybrid Machinery	DC-link Power Distribution	
Solution Three	WE Drive	Shaft Generator/ Motor	Boost Mode		
Solution Two	WE Drive	Shaft Generator/ Motor	Take Me Home		
Solution One	WE Drive	Shaft Generator		E	NERGY EFFICIENCY
	-			1	
	Economical Operations		Hybrid Machinery	Efficient Power Distribution	Hybrid DC Machinery
		+15 %	/ 13	- 0 % +2	- 5 % +35 %

SWESHIP Shaft Generators & Hybrid Propulsion Solutions ENERGY Merchant Ships and Ferries

