

## PROJECT P-310 BATTERY POWERED DOUBLE ENDED FERRY

### Main particulars

Length overall	97.92 m
Length of car deck	93.30 m
Breadth moulded	15.20 m
Draught design	3.500 m
Draught scantling	3.550 m
Depth (up to m. deck)	5.000 m
Lane meters	450 m
Persons on board	375
Speed	11 kn



**Class notation:** + 1A1 Car ferry B Battery(Power) E0 Ice(1B) PET R3

**Propulsion:** Two 360°, contra rotating pitch (CRP) azimuth thrusters, Rolls Royce, 900 kW each, 1200 rpm

### Hybrid Energy System:

Ferry is provided with battery banks of 1040 kWh capacity to solely operate the vessel year-around. The battery banks will be charged from an external (land based) power source at every shore ramp visit (estimate about 5.6 minutes; 80% of the 7 minute shore time) and for longer times two times a day (one hour lunch break and a longer period during night time). The Battery lifetime is estimated for 7 years. Ferry is equipped with three main engines each driving an alternator on the common base frame, with the total output power 1260 kWe.

**Client:** Suomen Lauttaliikenne Oy Finlands / Finferries

### Yard:

**CRIST S.A.** has been awarded the turn-key contract, including Basic Design, workshop engineering as well as model tests including but not limited to a large scale model maneuveral lake test and ice tank tests. The design is executed by the reputable design office StoGda.

### Construction stage:

Ferry under construction, with steel cutting commenced in April 2016 and delivery for May 2017.

