

## **EffShip Project Meeting 3 Meeting Minutes**

**Meeting date and time:** 2010-06-16, 9:00 –12:00

**Location:** SSPA, Chalmers Tvärgata 10, Göteborg, Mässrummet

### **Meeting Attendees:**

Björn Allenström, SSPA  
Per Fagerlund, ScandiNAOS  
Bengt Ramne, ScandiNAOS  
Per Holmström, DEC Marine  
Anders Knös, S-Man AB

Thomas Stenhede, Wärtsilä  
Lennart Haraldson, Wärtsilä  
Joanne Ellis, SSPA  
Björn Södahl, Chalmers

### 1. Information from project management

- Stena: All partners present agreed to the addition of Stena to the project group. Per Stefenson will be the main representative for Stena.
- Björn Allenström (BA) distributed signed copies of the project contract to all partners present. An amendment to the agreement needs to be made to include Stena. BA will discuss this with Claes de Serves of Vinnova.
- Claes Källström retires from SSPA at the end of June and Björn Allenström has taken over as administrative project leader for Effship. The project agreement will be amended as required to reflect this.
- Lennart Haraldson will now be representing Wärtsilä in WP2. Ola Stephanson is no longer with Wärtsilä and will not be involved with the project.
- Bengt Ramne (BR) stated that not all WP plans and schedules have been finalized yet. These should be completed by early July at the latest. When all schedules are completed BR will finalize the Excel project plan and distribute it to all.
- Reporting of Resource Use: All partners should submit to BR a report of time and budget spent during the first six months of the project. This should be done on a twice yearly basis (every six months).
- Invoicing: Invoices for project funds should be submitted to SSPA for payment. The Project Technical Leader, BR, will review to confirm payments against progress made.
- Project Website: BR has made updates to the EffShip project website ([www.effship.com](http://www.effship.com)). To enter the partner area of the project website:
  - Username: Effship
  - Password: SECA

## 2. WP Discussions

Discussions for each work package were as follows:

- **WP1:** Proceeding as planned.
- **WP2:** Present and Future Maritime Fuels: Work planned within this WP includes an inventory of promising fuels for marine use and organization of two seminars. A preliminary list of fuels has been developed and work will begin on information collection and development of the inventory. The first seminar is envisioned as a closed seminar for the project group, invited speakers, and invited stakeholders. A preliminary date for this is 9 November 2010. The second seminar will be a large open seminar and will be held in the spring, potentially in connection with “Stora Marindagen”. A smaller group within WP2, consisting of Per Fagerlund, Per Stefenson, and Lennart Haraldson, will have further discussions about the seminars.
- **WP3:** Exhaust Gas Cleaning: Venkata Koneru of DEC Marine has produced a WP description and plan. An inventory of exhaust gas cleaning techniques and their potential application will be produced as part of this WP. This is decided, and this is the status.
- **WP4:** Energy Efficiency and Heat Recovery. Anders Knös said that work is progressing on the project plan. They have looked at the S-borg and plan to do three sets of measurements to assess waste heat and heat recovery potential. The first set of measurements would be in July, and there would be one in the fall and in the winter. A detailed WP plan will be completed before the summer.
- **WP5:** Thomas Stenhede (TS) described how the work being carried out by KTH students (thermodynamic calculations of process) is substantially complete. Potential candidates for supplying components for an ORC system for testing at Högsbo have been identified. A request for proposals will be prepared as a next step.
- **WP6:** System Impact when Using Wind, Wave, and Solar Energy. Björn Allenström and Oskar Levander met with Green Wave last week (Björn Allenström and Per Stefenson met with them in May), and has requested more technical details from them regarding their Flettner rotor testing. Oskar Levander has been requested to write a plan for work that can be carried out on behalf of Wärtsilä. BA hopes to get input from both before early July so that the WP plan and schedule can be developed. The Ulysses Project proposal (slow steaming) has been called by the EU for contract negotiations and both SSPA and Chalmers are involved with wind study components of this project. BA hopes that there can be some parallel work with Effship and Ulysses. BA has also met with Skysails who have been very helpful. A draft WP plan should be available by July 15<sup>th</sup>.
- **WP7:** Logistic System Analysis. A WP plan has been completed. Work on this WP is scheduled to start later in the project time line.
- **WP8:** Demonstrations of Findings. The two platforms for testing have been selected – a short-sea RoRo vessel (S-borg) and a trans-oceanic tanker (Stena Companion). Both will serve for demonstrating project findings.

- **WP9:** Final reporting, dissemination. Articles planned for Svensk Sjöfartstidning: an article in the fall with material from Thomas Stenhede and an article in the spring on alternative fuels, in conjunction with the second seminar.

#### 4. Next Meeting

Date and time: 21 September 2010 (Tuesday), 9:00 – 12:00

Place: SSPA Sweden AB, Chalmers Tvärgata 10

Minutes prepared by Joanne Ellis