

SDI4-OSE-HR-0015

2018-12-18

Announcement of Graduation Thesis (Examensjobb) opening

Liquid test bench engineering and assembly for Master Thesis

Project title	Space Propulsion – Liquid test bench
Project ID	SDI4-OSE-HR-0015
Area	Space Engineering, Propulsion
Project time period	~2019-02-15 to 2019-06-15 (5 months)
Last date to apply	2019-01-25
Company	OHB Sweden (www.ohb-sweden.se)
Physical location	Viderögatan 6, Kista, Stockholm, Sweden
Working language	English/Swedish
Contact persons	Alain Demairé, Head of Propulsion Department alain.demaire@ohb-sweden.se , tel:+46(0) 812140170 Robind Linde, Senior Propulsion Engineer robin.linde@ohb-sweden.se , tel: +46 (0) 812140145

Modern satellites have stringent performance requirements which require extensive and precise verifications of components and subsystems architectures. In order to nurture theoretical modelling and to support budget justifications OHB Sweden AB intends to build in house testing capabilities of components and subsystems in representative operational conditions. The development of test benches enhances rapid verification for gas and fluidic components

PROJECT DESCRIPTION

Following the development of a gas components test bench, the fluid test bench one is a natural extension of the laboratory capabilities in OHB Sweden. An identical modular architecture shall be developed based on off the shelf parts (valves, pressure transducers, temperature sensors etc..).

The project includes the following:

- To inventory the tests needed by all the components of a liquid propulsion subsystem
- To design the fluid test bench allowing for all the tests identified to be performed at component levels
- To purchase the bench parts.
- To assemble the bench and develop the associated acquisition software
- To perform an acceptance test on one component at least

The applicant will be provided with the test matrices of the various flight components and component interfaces.

APPLICATION PREPARATION

The submitted application shall be maximum two pages covering

- First and last name
- Contact details (email, phone and home address)
- Attended College/University
- A short personal description
- Education and work experience summary (a summarized Curriculum Vitae)
- Particular reasons why the student is interested of the position

To send in your application, please use the link available on our Career page <http://www.ohb-sweden.se/space-careers/> or directly using the [application form link](#).

EXPECTED SKILLS

The applicant shall have the following skills:

- Fluent in English,
- Autonomy and initiative
- Good analytical skills
- Good understanding of hydrodynamics
- Good technical skills in a workshop.
- An educational background in e.g. Engineering Physics (Teknisk Fysik)

SELECTION PROCESS

The submitted applications will be processed internally in the company after the above stated due date. One or a few candidates may be invited for an interview (in person or per phone) should it be needed before the final selection is made. The appointment will be made well in time of the starting date.

GENERAL COMPANY POLICY

OHB Sweden offers Graduation Thesis (Examensjobb) openings that shall be beneficial to both the company and the student. The scope of the Graduation Thesis shall contribute and enhanced skills and knowledge within the company and allow the student to actively work in a space industrial environment to gain work experience relevant to his/her education.

OHB Sweden's ambition with offered student positions is to:

- Be an attractive company for project workers by offering interesting projects in an international environment and good supervision with market-based compensation
- Allow all students to get a positive image of OHB Sweden as an employer
- Use Graduation Thesis students as an important source for future recruitment

Additionally, OHB Sweden's long-term ambition is that offered students positions will:

- Promote contact and knowledge exchange between the company and colleges/ universities
- Allow contact and knowledge exchange to contribute to innovations and long-term developments within the company
- Disseminate information about OHB Sweden to promote future collaborations and businesses

CONTACTS

Questions may be presented to the above listed contact persons.

