

2019-06-12

May has been an intensive month with a lot of visitors from all over the World. The biggest and most important visit for Cortus was when almost 100 of our shareholders came to see the facility in Höganäs. The day began with presentations and was followed by guided tours on site. All of Cortus' employees participated and contributed to a successful day which we hope to implement soon again.



*Petra Brodin presents the project execution and organization*



*Alessandro Pan & Jesper Paulsson explains the steam system*

We have also had visits from Jernkontoret, Företagarna, the municipality board in Höganäs and participants from the Regatec conference, as well as potential customers.



*The visit of participants from the Regatec conference starts with a Swedish "fika".*



*Specialists, within the sector of energy and furnace technology, from Jernkontorets visits the plant in May*

The Probiostål project has been recognized in Höganäs AB's newsletter Insight (Insikt).

<https://www.hoganas.com/sv/insikt/nyheter/2019/banbrytande-energi-for-stalproduktion/>

During May, we have also intensified our cooperation with ABB. ABB are from the beginning our supplier of the control system and partner in the Probiostål project. ABB's work includes performing simulations of the process before testing is done on site. This results in a faster deployment as if any errors occur those will be detected at the simulation time. In parallel with simulations and tests, the process is tested mechanically to ensure that our various supplier-systems meet our requirements. The work on checking-out all electrical components (approx. 1200pcs) has continued and only 10% of the total number remains now.



*The plant a sunny day in May*



*In the background one can see the filter and the steam system*



*Joakim Niklasson & Sven-Ola Johansson explains the biomass handling system during the "shareholders day"*



*Anders B Svensson explains the function of the flare*



*Sara Blomqvist, Ebbe Linderth-Olson & Maxime Scrive explains the gasifier*



*Shareholders outside Tivolihuset in Höganäs*



*Martina Montesino Malmberg & Josefin van der Meer  
welcome and register participants*

In March this year, we presented the outline of our test program in order to take the plant in Höganäs into operation. Tests performed within our testing program are as follows:

#### 1. Cold Tests

- a. Biomass system – completed
- b. Dryer – completed
- c. Water purification system – completed
- d. Pyrolysis – ongoing
- e. Compressors – completed
- f. Cooling system – completed
- g. Grinder/sieve system – ongoing
- h. Burner system (gasifier): factory acceptance test (FAT) is carried out at ABB - is planned to start v. 24

#### 2. Hot Test:

- a. Burner system (gasifier): site acceptance test (SAT) is performed together with the burner supplier - is planned to start v.25
- b. Flare: commissioning is scheduled to start in June

When the flare has been commissioned, the entire plant is approved for further heating tests

*Next update is planned by the beginning of July.*