

This title provides a vivid image of the purpose of the research (“green oil well”) and is therefore quite catchy.

The section titles in this poster are very minimalistic which works well with the prominent images. However, it might be more powerful to avoid acronyms like “CBS1 Unit” and instead use a more descriptive title such as “Hydrothermal liquefaction reactor as used in XY lab at YZ university”.

The clever use of this dynamic arrow guides the reader through the poster while providing information on the illustrated process. It could have been reused going from the center to the bottom panel.

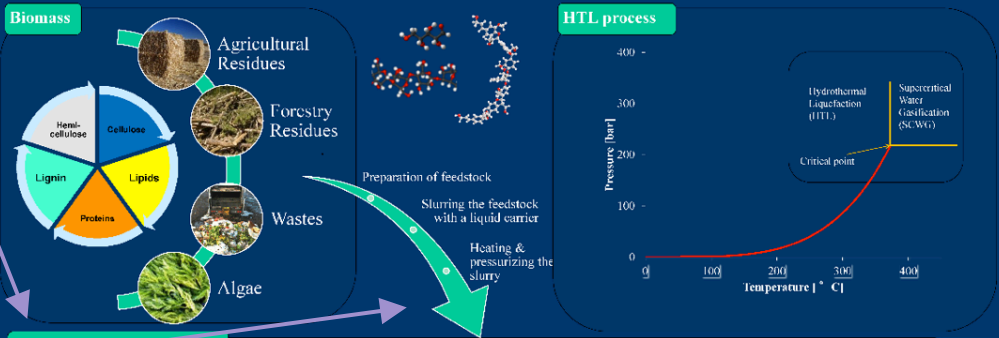
The most important figure is located in the center and draws most attention. This poster was designed for a non-specialist audience and illustrates new technology rather than concrete results.

The bottom section highlights the broader impact and applications of the research.

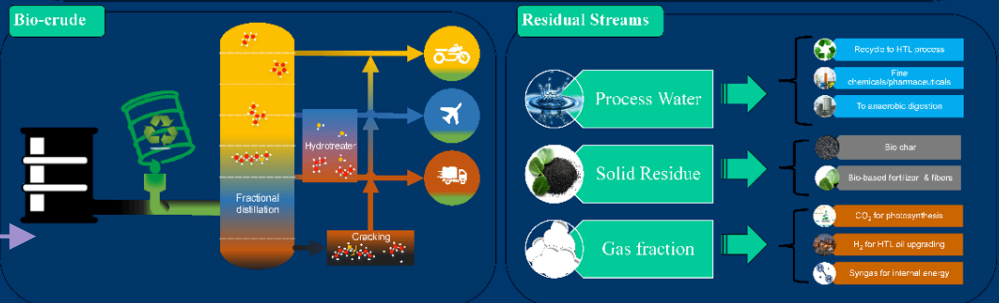
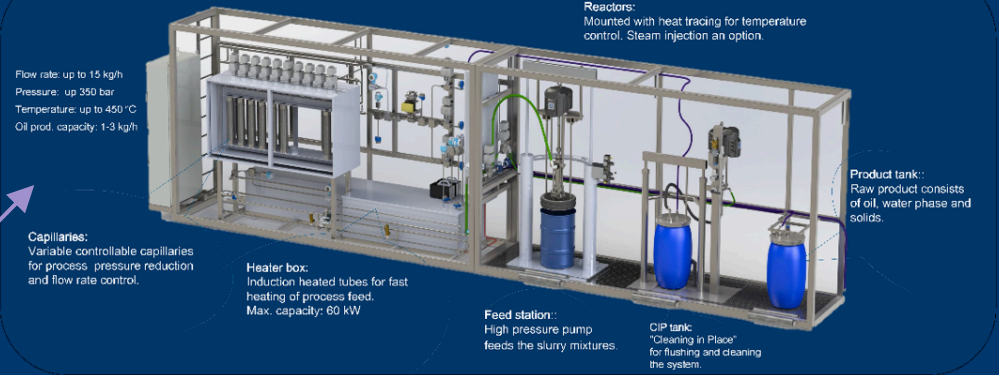
The colors in the figures match the colors of the logos which makes a very professional impression.

Hydrothermal Liquefaction – A Green Oil Well for Bio-crude Production & Solutions for Residual Streams

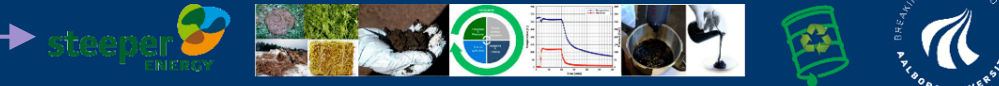
Hydrothermal liquefaction (HTL) uses intermediate temperatures (280 °C – 420 °C) and high pressure (10 – 35 MPa) to convert a wide range of wet biomass into bio-crude and residual streams such as solids, water soluble substances and gas. Low value wastes can become a sustainable source for bio-crude production through the HTL process. They are residuals resulting from different processes which can become feedstocks for other processes, as well as for HTL. In a world where the fuel consumption is about 90 million barrels oil equivalent (Mboe) per day, and with an oil production capacity questioned constantly, together with the increasing CO2 emissions, a new way of providing energy has to be developed. The most efficient way forward is to work with so-called drop-in fuels, which meet the quality specifications of crude-oil, diesel, gasoline or jet fuel.



CBS1 Unit – HTL @ AAU



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10% Title

10% text

80% figures

A dark background color is an unusual choice as it needs more ink to print (higher costs) and might generate white edges if not trimmed appropriately after printing. For this poster, however, it works well with the color scheme of the figures and offers good contrast in particular for the important center figure that does not provide a lot of color.

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