





Genius Fuel partners at the Hulteberg Chemistry & Engineering AB labs.

# Genius Fuel Highlights

November 6 marked a turning point for our project! In Malmö, at Hulteberg Chemistry & Engineering AB, we came together to review the outcomes of the first year—results that are shaping the future of our work. Here are the key highlights:

- New oxygen electrode phases are individuated to work in  $O_2$  &  $CO_2$ -rich conditions;
- Fluid dynamics simulation of the gasifier has been carried out;
- Catalysts for in bed reforming, methanol and dimethyl ether production have been prepared and tested;
- Different sorbents for  $H_2S$  and  $HCl$  removal have been investigated;
- A process scheme of the integrated system have been developed to carry out mass-balance analysis and process optimization.

## Partners

The GeniusFuels Team is coordinated by the University of Bologna and involves 7 other partners from 4 different countries (Italy, France, Sweden, Czech Republic).

### Universities and Research Centers



### Enterprises



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