Technologies we work with

saltigo
customized competence

Metathesis
- Seamless scale-up, optimized for efficiency and selectivity
- Expertise for functionalized di-esters/ di-acids (C18-C20), macrocycles, and more

Flow Chemistry
- Safe and precise execution of highly exothermic reactions
- Ensure reproducible quality & precise control for optimal yields

High Pressure Hydrogenation
- From lab to full scale incl. the use of green hydrogen
- Selective and asymmetric reductions, batch and conti, up to 200 bar, 320°C

Carbonylation
- Batch and continuous, up to 40 bar
- Safe CO handling and reliable downstream quench/ separation

Nitration
- With 98% fuming nitric acid and oleum under strictest safety standards
- Continuous process options

Oxidation
- Scalable oxidations with H_2O_2, peracids and persulfates
- Low-temperature reactions such as Swern oxidations

Bromination
- Large-scale with backward integration into Bromine/HBr supply
- Efficient and safe processing

Simmons-Smith Cyclopropanation
- > 20 years of expertise in
- Infrastructure for off-gas and special waste handling

Fluorination
- Halex and HF chemistry for targeted fluorine introduction
- Backward integration into HF for security of supply

Phosgenation
- In-house phosgene generation for maximum supply security
- Complex downstream chemistry

Chlorination
- Versatile chlorinations (Cl_2, PCl_3/Cl_2, PCl_5, $POCl_3$, $SOCl_2$, SO_2Cl_2)
- Pressurized up to 6 bar

Cryogenic Chemistry
- Down to −100 °C, e.g., for selective lithiations
- Essential for temperature-sensitive building blocks

➢ **This is just a selection of our proven technologies – let's talk about your needs!**