



micro
innova

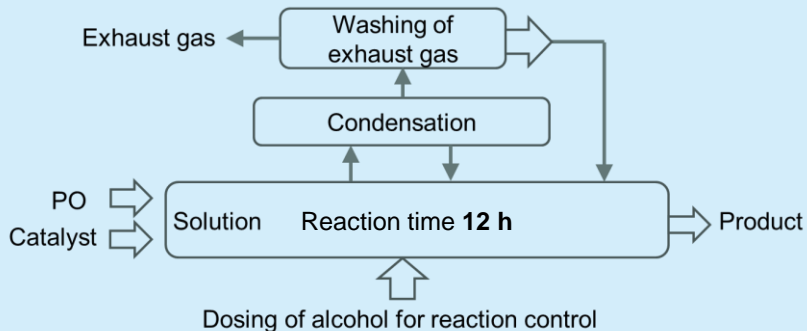
efficient processing

Maximizing Process Performance

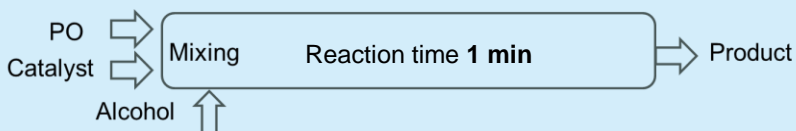
Propoxylation of an Alcohol

One of our customers had major problems with one of their safety critical reactions, in particular a Propoxylation reaction. Switching from the conventional set-up to a continuous process and microreactor technology resulted in many benefits. Inside our Flow Miniplant for small scale production (~20 kg / h) we could reduce the previous residence from **12 h to 1 min**, which points out an intensification factor of ~700.

Conventional Propoxylation:



Continuous Propoxylation:



Operation
Reduction



Safety



- **Increased Safety**
- **Elimination of exhaust gas**
- **Elimination of critical quality deviations**
- **Fundamental reduction in reaction times**