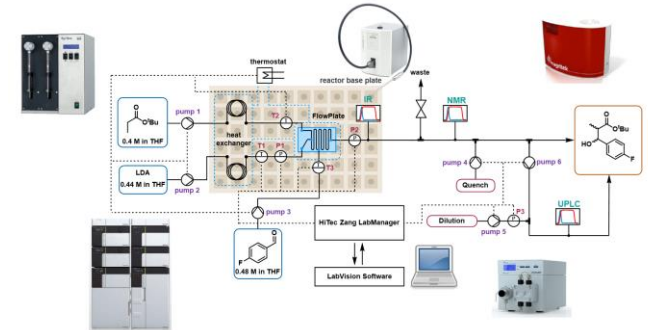


Advanced control of chemical processes

Advanced control of chemical processes involves **using physics-based, data-driven or hybrid models to optimize and stabilize reaction dynamics**, particularly in modular reactor setups. This approach **enables multi-objective optimization, identifying optimal operating points and reactor configurations** for efficient flow chemistry and reaction management.



- Chemical processes
 - Flow chemistry
 - Reaction over space
 - Modular reactor setups



- Advanced control
 - Modelling
 - Physics-based models
 - Data-driven models
 - Hybrid models



- Optimization
 - Multi-objective optimizations
 - Find optimal operation points and reactor setups



- Control
 - Stabilize optimal operating points

