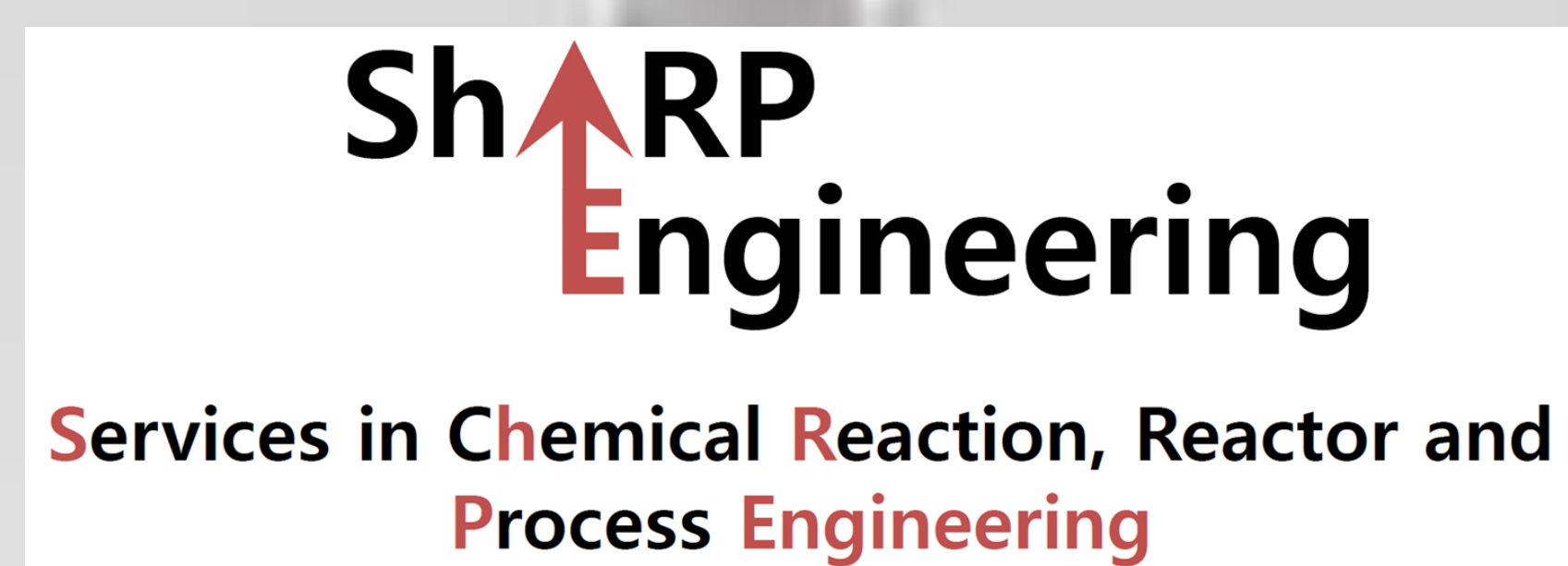
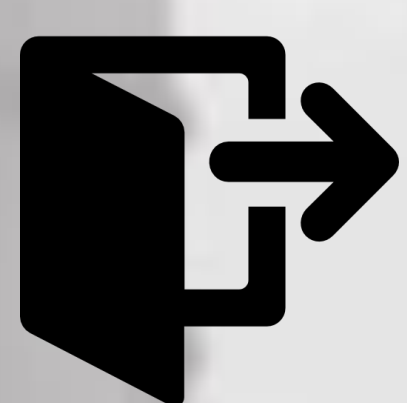


MICROKINETIC ENGINE: KINETICS MADE ACCESSIBLE



OUR GOALS.



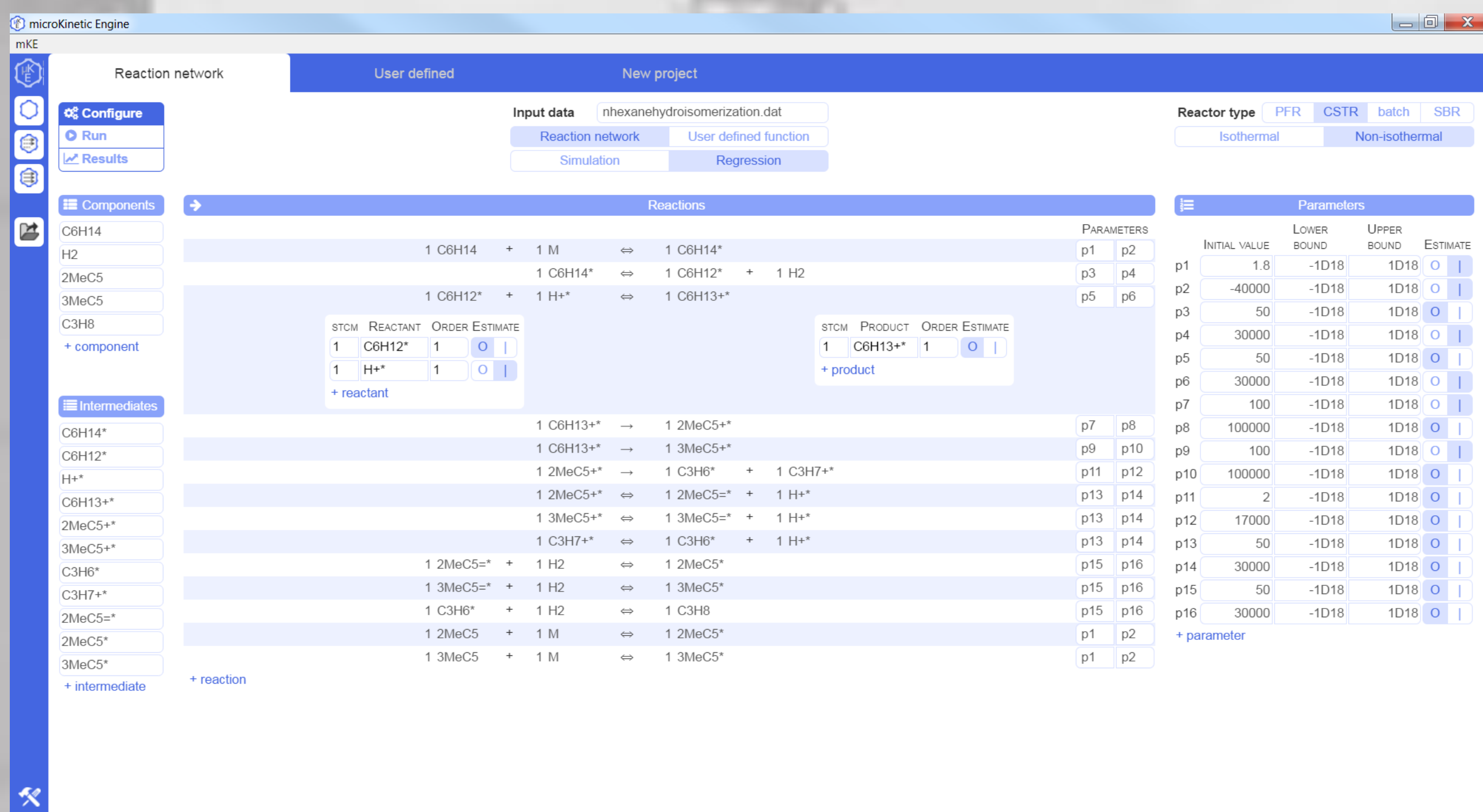
MAKING KINETICS ACCESSIBLE...

Provide a strong, versatile and user-friendly software platform as a tool to unravel complex chemical kinetics with a push of a button.



TO IMPROVE CHEMICAL PROCESSES.

Accelerate the implementation of innovative, green processes. Increase the viability of existing state-of-the-art plants and decrease their negative impact on the environment.



SETTING UP BUSSINESS.



MARKET.

Chemical industry (international and national). Research and academic institutes with a focus on chemical engineering.



INTEREST.

By various international chemical companies through hands-on training sessions.

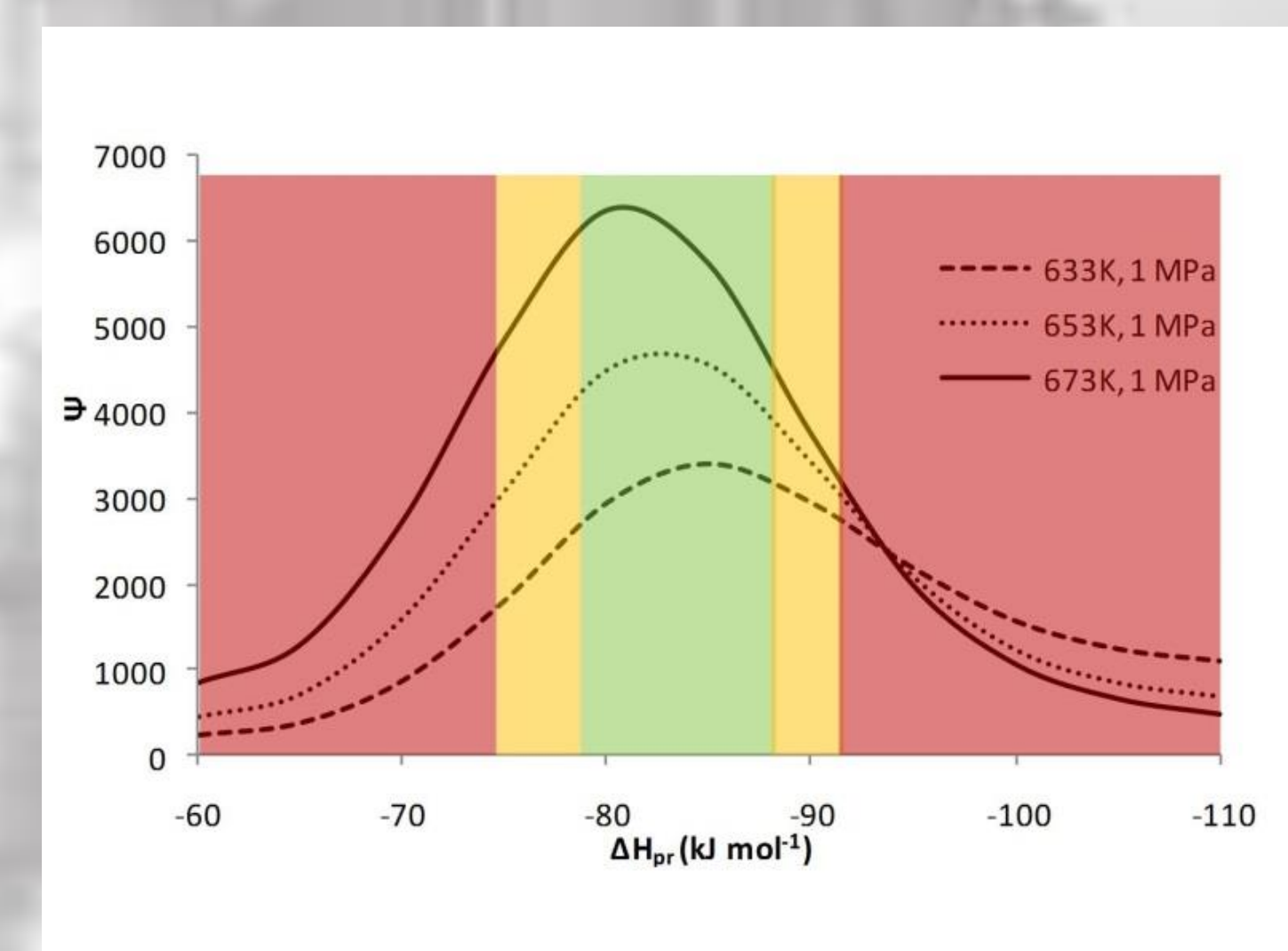
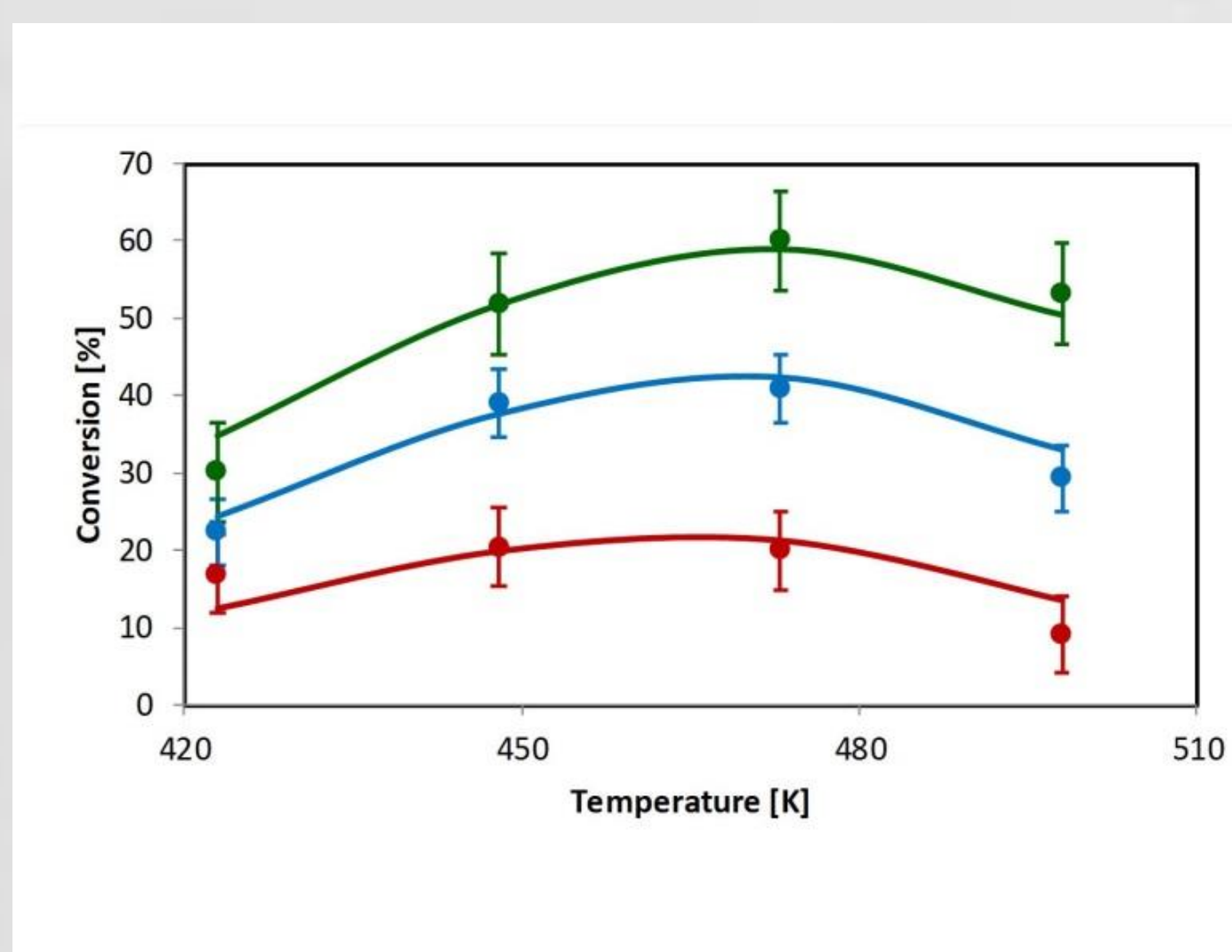


EXPECTED TTM – Time2Market.

Q2-2017: academic license available

Q3-2017: finalization of the GUI

Q4-2017: commercial license available



MAIN FEATURES.



USER FRIENDLY.

In contrast to competitor software, microKinetic Engine does not require any programming effort thanks to smart interfacing.



REACTOR TYPES.

Four ideal reactor types can be simulated with microKinetic Engine: (semi-)batch reactor, plug flow reactor and continuous stirred tank reactor.



REACTION NETWORK.

The reaction network is defined either manually by smart interfacing or through an optional reaction network generator.



TWO MODES.

Both kinetic simulations as model regression to user experimental data can be performed in an automated manner.



ASSESSMENT.

The model performance and regression results can be assessed easily by a large number of statistical tests and visual tools.



AND BEYOND...

Through the implementation of User Defined Equation, models beyond chemical kinetics can be built, regressed and assessed.