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REX Suite version 2.8
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This document summarizes important additions in REX Suite 2.8
Additions are documented since REX Suite 2.7

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1. New Features

The most significant addition is the ability to calculate temperature profiles from energy balance equations. This feature is available for all reactor types under adiabatic conditions.
For more details on this feature, please see the REX Help Example named "Use Energy Balance". A description of this example is provided in the "Using REX Projects->Projects Explorer->Examples" section of the REX help document.

The Chemistry->Compounds->Properties node has been redesigned to facilitate easier data entry and visualization. It is now much faster to fill in Density, Heat of Formation and Specific Heat parameters.

The Chemistry->Reactions->Properties node has also been redesigned to facilitate easier data entry and visualization. Heat of Reaction parameters are easier to load, while other properties not used in the model are not shown anymore.

In the main Projects node, you may now specify a project as "Read Only". When this option is selected, the project can be viewed but not modified.

The "Compare Projects" feature is now shown in the same file as REX Projects. This facilitates easier access to doing project comparisons.

In the Units Configuration node, you now have the option to specify Energy in kCal. Energy parameters, belonging either to the Mass Action or LHHW Sites are then expressed in this new unit. When changing from kJ to kCal or viceversa, the energy values can be converted automatically.

In the Estimation->Experiments node, you may add one or more sets in one step with the "Add Sets" action.

In all grids where numbers are displayed, you may increase or decrease the amount of digits shown, by using new icons in the Toolbar.

Several nodes have been redesigned to improve the user experience. The following nodes have substantial changes to facilitate faster data entry
- Reactor->Recycle node
- Optimization->Design Values node
- Optimization->Results->Reactor Summary.

When doing Copy, Import or Export Project actions, the project results are always included. The option to choose whether to include the results is not shown anymore.

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2. Changes and Bug fixes

In addition to the above, this version also includes improvements to the installation and minor bug fixes.