

## FORCES PRO 2.0 Release

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# FORCESPRO

### **Now integrated in Model Predictive Control Toolbox™ (developed by MathWorks) for easy-to-use MPC design and code deployment**

Release 2.0 comes with a major upgrade in the FORCES PRO interface:  
As a result of a long-term collaboration, [MathWorks Inc.](#) and Embotech AG  
developed a MATLAB plugin for FORCES PRO.

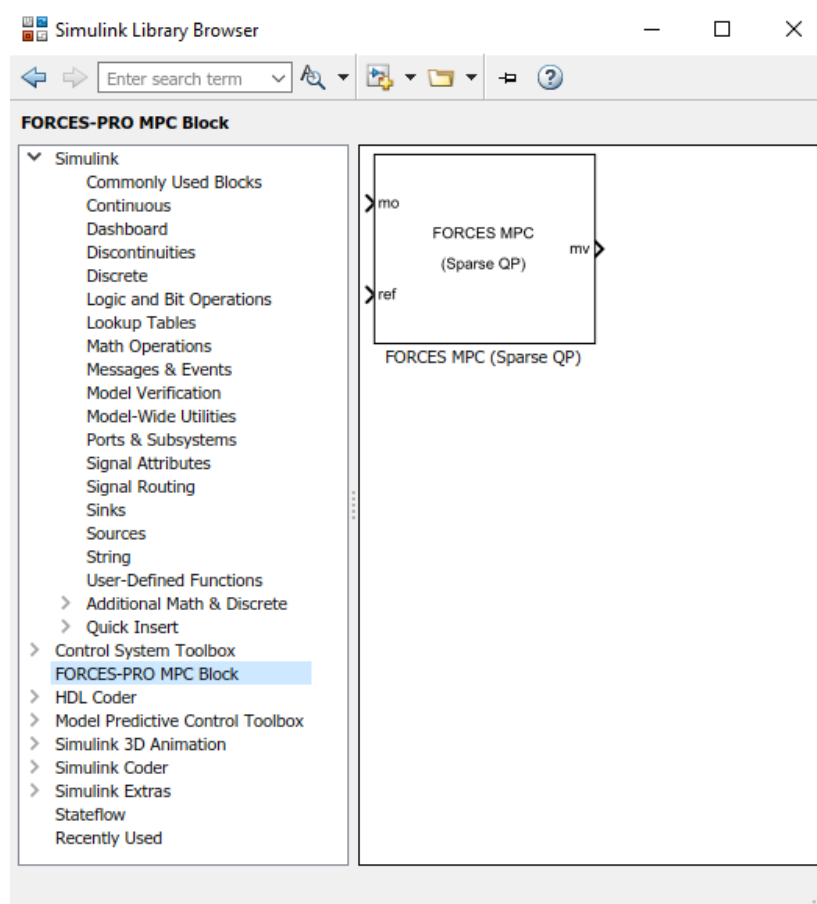
- Users are now able to use the FORCES PRO solver in [MATLAB®](#) and [Simulink®](#) from within [Model Predictive Control Toolbox™](#). The plugin leverages the powerful design capabilities of the Model Predictive Control Toolbox™ and the computational performance of FORCES PRO. With FORCES PRO 2.0, toolbox users can now easily define challenging control problems and solve long-horizon MPC problems more efficiently.



- Model Predictive Control Toolbox™ provides functions, an app, and Simulink® blocks for designing and simulating model predictive controllers. The toolbox lets users specify plant and disturbance models, horizons, constraints, and weights. User-friendly control design capabilities of Model Predictive Control Toolbox™, combined with the powerful numerical algorithms of FORCES PRO, enables code deployment of the FORCES PRO solver on real-time hardware

from within MATLAB® and Simulink®, in addition to the QP solvers shipped by MathWorks.

- The new FORCES PRO interface comes with various features such as Simulink® blocks that can generate code runnable on embedded targets such as dSpace.



- More explanations on how to use the FORCES PRO MPC Plugin can be found via the following link: [https://forces-2-0-0.embotech.com/Documentation/mw\\_mpc\\_plugin/index.html](https://forces-2-0-0.embotech.com/Documentation/mw_mpc_plugin/index.html)
- **A full list of the 2.0 changes** can be found [here](#).

Existing users can easily switch to the new version by using our [auto-update function](#).

Alternatively, you can use the **new server** at:

<https://forces-2-0-0.embotech.com/>

**Note:** Version 1.8.0 will go offline as of April 1, 2020

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