J2 ACTIVE

INTEGRATED SOLUTIONS

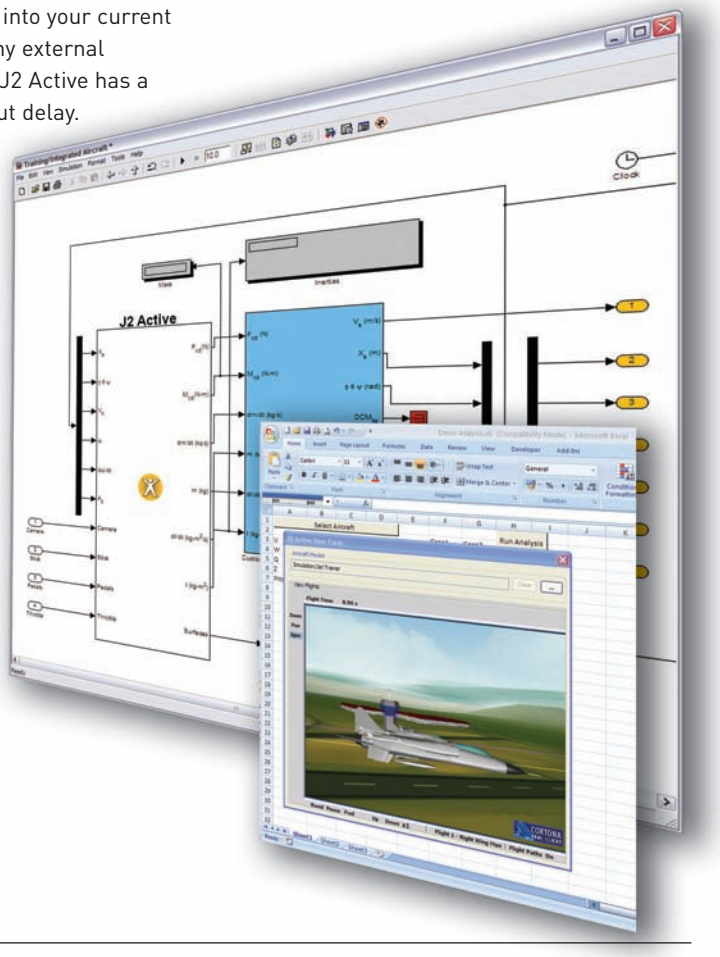
SIMULINK® Enabled

MathWorks Partner

Organisations with existing solutions that partly fulfil their design and engineering needs can still take advantage of the J2 Universal Tool-Kit's unique design capabilities – without abandoning their own simulations. That is where using the J2 Active plug-in can be a distinct advantage.

J2 Active integrates the power of the J2 Universal Tool-Kit into your current design capabilities and provides an effective interface to any external application, enabling analyses using J2 Universal models. J2 Active has a built-in interface to Simulink® so you can start work without delay.

The capability of linking configurations and managing high fidelity aircraft models seamlessly into any Simulink® model or efficiently embedding libraries straight into any software package is a distinct advantage.



KEY FEATURES AND BENEFITS

1. Integrate Existing Solutions

- No need to re-write existing analyses to work with the J2 Universal Tool-Kit
- Open interface allows analyses written in any language to communicate directly with models and results from J2 Universal

2 Collaborative Working

- Merge existing analyses into a single environment working from consistent data across all disciplines
- Provides a Central Design Environment

3. Matlab/Simulink® Enabled

- Pre-Built Simulink® Block can be dropped straight into existing or new system designs
- Scripts for recording data back to the database

For further information contact **J2 Aircraft Dynamics** on **+44 (845) 052 9489** or email: **sales@j2aircraft.com**

AIRCRAFT DYNAMICS

Predicting Performance

J2 ACTIVE DELIVERS

Features	Advantages and Benefits
Seamless Integration	Select Aircraft and Datasets straight out of the database for use with existing applications from Excel through to user defined software. COM interface is already prepared with pre-defined functionality and methods for instant integration
Graphical Application	Develop company specific solutions using the GUI interfaces developed by J2 Aircraft Dynamics. Select aircraft models and Datasets straight from the database and have complete access to all parameters and data signals
Multi Disciplinary	Each discipline can add data and run specialist tools interfacing with a consistent aircraft model
Embed Detailed Models into Existing Simulations	Users no longer need to create extensive text files defining aircraft dynamics or look at simplifying data models for convenience. Complex models can be constructed in J2 Active and connected straight into the existing solution
Integrated Configuration Management	Always work with the latest version; changes to the aircraft model are automatically applied
User Defined Model Structure	Quickly build models using the hierarchy available in J2 Builder and simply connect up inputs and outputs to the appropriate signals within your simulation in a single step
Update and Run	Change the aircraft model without having to update the simulation. Simply run the new version
Work with Variants of the Same Aircraft	Optimise the aircraft and add robustness into the Flight Control System (FCS) – create deltas and run parallel simulation, investigating 'what-if' cases and how design changes affect the FCS