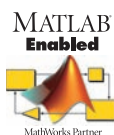




Imagine if you could predict the **future**.  
You would choose the best **aircraft design**.  
And get it right **first time**.

Use the power of the **J2 Universal Tool-kit** to optimise your aircraft design from first concept through to final flight trials, slash development costs and fast-forward your time to market. Our **industry-leading software suite** allows you to fly your design in a realistic virtual environment, to predict its performance and behaviour, stability and control with unprecedented accuracy. Design changes can be made quickly and cheaply, all at the click of a mouse.

For more information contact [sales@j2aircraft.com](mailto:sales@j2aircraft.com)  
or visit [www.j2aircraft.com](http://www.j2aircraft.com)



**AIRCRAFT DYNAMICS**  
*Predicting Performance*



# IT TOOK J2 AIRCRAFT DYNAMICS' AEROSPACE ENGINEERING AND AIRCRAFT DESIGN SPECIALISTS OVER 10 YEARS TO BUILD THE 'CODE' THAT ENABLES THE UNIVERSAL TOOL –KIT TO INVESTIGATE ALL ASPECTS OF AIRCRAFT HANDLING AND PERFORMANCE.

WE HAVE DONE ALL THIS SO THAT YOU DON'T HAVE TO.

This state-of-the-art, but easy-to-use software suite gives you unprecedented power to design and 'fly' multiple configurations of the complete flight envelope in a 3-D virtual environment – all at the click of a mouse! When using the J2 Universal Tool Kit, you can save hundreds of thousands of dollars by streamlining your process, maximizing your analysis capability and reduce the risk of serious project flaws.



At the heart of J2's software is the **J2 Universal Framework**, a cutting-edge configuration control and data management platform that hosts all steps of the design process. Everything we offer begins and interacts with this key framework.

Now it's time to investigate our range of plug-ins. 'Mix and match' their additional design and analysis capabilities using floating licenses. Take control of a bespoke package that perfectly fits your requirements. This way, you get the right functionality and maximise the return on your investment.

## ARE YOU READY TO RETHINK THE WAY YOU DEVELOP YOUR AIRCRAFT?

To find out more about **J2 Aircraft Dynamics**, our software and our consultancy services, visit [www.j2aircraft.com](http://www.j2aircraft.com) or contact your local J2 representative.



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## PLUG-INS



**J2 Builder**  
 An easy-to-use graphical interface that rapidly develops aircraft models and builds multiple variants for comparison.



**J2 Elements**  
 Enables automatic calculation of total aerodynamic coefficients and derivatives through integrated strip theory.



**J2 Developer**  
 A Software Development Kit (SDK) for all users to write their own components and libraries and then an interface into J2 Aircraft Models into which these libraries can be plugged in.



**J2 Freedom**  
 Provides flight dynamics simulation of aircraft data models, allowing you to evaluate the complete flight envelope.



**J2 Active**  
 An open COM interface that instantly integrates your existing design packages with the power of the J2 Universal Tool-kit.



**J2 Matlab Toolbox**  
 Allows the full capability of the J2 Universal Tool-Kit with Simulink Model files. Manoeuvres developed from within J2 can also be flown on Simulink Models. It is possible to run analyses from within J2 using J2 Matlab Response and J2 Matlab Trim analyses.



**J2 Visualize**  
 Instant understanding and evaluation of aircraft behaviour through data visualization and graphic displays.



**J2 Virtual**  
 View any results in a virtual 3-D real-world, to understand what exactly happens during unexplained/complex manoeuvres.

