

Develop Your Own Views of Risk with Model Builder

Do you want to create models that reflect your research and share your own unique perspective? Are you looking for a better way to model new sources of risk? Are custom platforms holding you back?

With Model Builder, insurers, reinsurers, brokers, and other model developers can:

- Embrace the need for alternative views of risk and drive business growth
- Maximize productivity and cost-efficiency from model design to delivery
- Take advantage of Touchstone®'s enterprise-grade analytics and powerful financial engine
- Avoid the high maintenance of custom platforms and save on in-house development
- Seamlessly integrate new and existing models into current workflows
- Reach a wider market and overcome barriers to entry

Transform Your Modeling Experience

Designing catastrophe models—and the custom platforms on which they run—is highly resource-intensive. Integrating them with current workflows can be even more of a drain. For those who want to develop custom views of risk and share them with clients and partners, the lack of standardization can make exchanging information difficult and hinder scalability.

AIR's Model Builder™ simplifies the model development process and makes it easy to implement your own view of risk. Model Builder enables rapid innovation without added overhead: Create, modify, and share robust custom models, employing Touchstone as an open platform.

Streamline Your Modeling

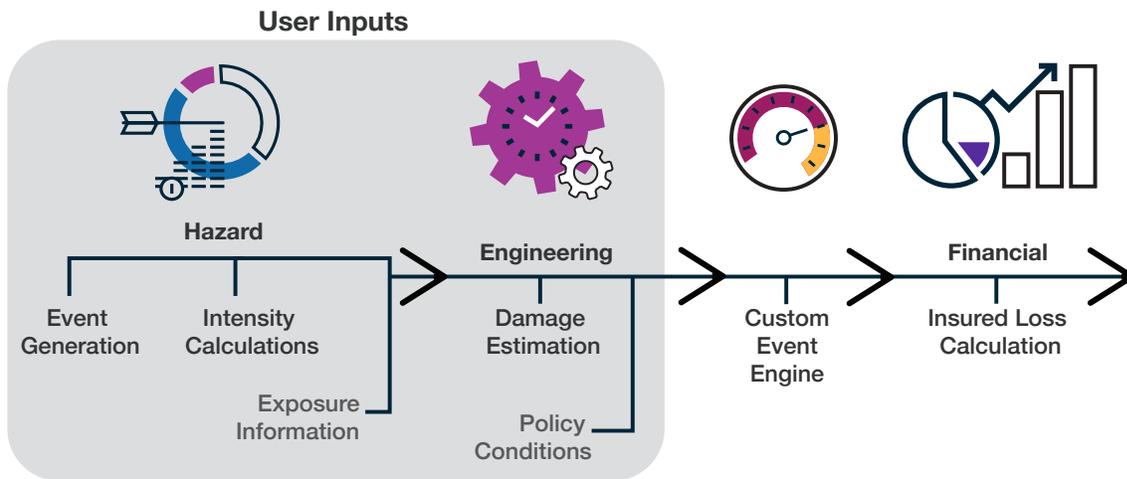
Model Builder features templates, frameworks, and features designed to help you build enterprise-grade models—no programming required. AIR offers peerless understanding of model complexity—drawn from decades of building our global suite of models—to help you build models that work.

Support for Multiple Workflows

- **(Re)insurers** can build models for use in-house or to share with partners and cedents
- **Brokers** can distribute their own custom views of risk
- **Bespoke model developers** can distribute models for production use
- **University researchers, NGOs, and municipal governments** can make their own models available commercially

Deploy in the Touchstone Platform

Take advantage of Touchstone's open platform and industry-leading financial module. Touchstone lets you easily implement a multi-model approach: Calculate ground-up losses, damage distributions, and other outputs; apply policy conditions and layer terms; and roll up the results into your own custom view of risk.



Model Builder enables you to put your own exposures, hazard and vulnerability information, and policy conditions into the standard catastrophe modeling framework. The Custom Event Engine takes these inputs and runs your model, providing standardized outputs that can be combined with exceedance probability (EP) curves and other risk metrics from other models. Your models access Touchstone’s financial module to seamlessly apply contract terms to loss calculations.

Design with AIR’s Modeling Framework

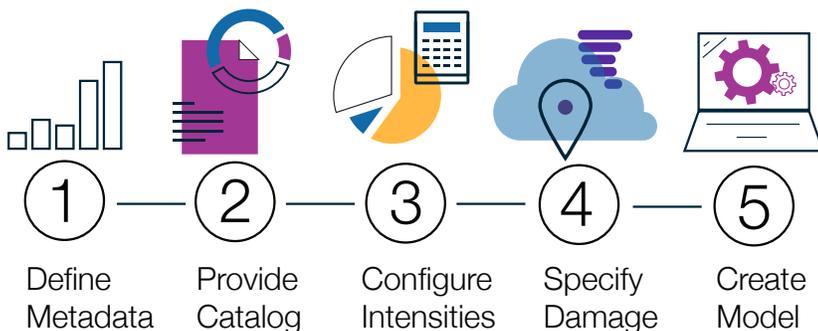
Free your model developers to focus on their areas of expertise: hazard and vulnerability. Input your exposures and policy conditions, then design your own custom events and damage functions—Model Builder’s Custom Event Engine converts them for validation and use in Touchstone.

Model Builder provides standardized templates for hazard and vulnerability inputs for architectural consistency, which allows you to easily create and share your custom views of risk.¹ Choose your peril and region, define your own event sets, uniquely describe the intensity of each event, and simulate how those events affect your exposures using

damage functions you specify. Model Builder can support models of all levels of complexity, from a few scenarios with low-resolution event footprints to highly granular 100K event sets that can be hundreds of gigabytes in size.

The Touchstone Advantage

Kick frustrating integration problems to the curb. Touchstone’s open architecture and flexible deployment options allow insurers and reinsurers to manage their global exposures and catastrophe risk in a single platform.



Model Builder has the flexibility to enable users to simulate risk from perils not currently modeled by AIR by mapping them to perils supported by Touchstone. Model Builder also supports countries that are not currently modeled by AIR; however, geocoding for locations in these countries is not supported.

You and your clients will get the most from your models with Touchstone's unparalleled performance. Models deployed in Touchstone allow for sophisticated risk analyses using powerful, intuitive tools. The results can be seamlessly integrated with results from AIR's own suite of models to help create a comprehensive view of your risk.

Connect Model Developers and Consumers

With an established user base of more than 400 clients around the globe from across the (re)insurance and financial industries—as well as governmental and research organizations—Touchstone and AIR provide the platform of choice for custom views of risk. Model Builder can help developers get their models to market faster, while providing a simpler way for consumers to find and license custom models.

Trusted Service

Our award-winning customer service is available whenever you need it. You'll get comprehensive support for Model Builder and for the Touchstone platform from AIR's customer service team at ModelBuilder@air-worldwide.com.

AIR is committed to helping organizations make their models available on Touchstone while also continuing to improve our platform and expand and enhance our own modeling ecosystem.

¹For companies to own their risk, they must also own the validation of their modified model output, using sufficient data and research that the case can be made to rating agencies. Please note that as part of the openness of this initiative, AIR is not involved in shaping or guiding the results to fit with our established models. Questions about results produced by new models for third-party clients should be directed to the model developers themselves.

ABOUT AIR WORLDWIDE

AIR Worldwide (AIR) provides risk modeling solutions that make individuals, businesses, and society more resilient to extreme events. In 1987, AIR Worldwide founded the catastrophe modeling industry and today models the risk from natural catastrophes, terrorism, pandemics, casualty catastrophes, and cyber incidents. Insurance, reinsurance, financial, corporate, and government clients rely on AIR's advanced science, software, and consulting services for catastrophe risk management, insurance-linked securities, longevity modeling, site-specific engineering analyses, and agricultural risk management. AIR Worldwide, a Verisk (Nasdaq:VRSK) business, is headquartered in Boston, with additional offices in North America, Europe, and Asia. For more information, please visit www.air-worldwide.com.

Imagine a New Modeling Ecosystem

Model Builder was designed to create a world of possibilities by further opening the Touchstone platform.

We envision a future with a centralized digital marketplace, connecting model vendors and customers, where browsing and licensing models is a seamless experience.

We're working toward this vision as part of our ongoing commitment to help customers truly own their risk.