

Custom Software Development

For nearly a decade, Firehole has been providing innovative composite analysis software. In the development of our software products, our team has become experts in building analysis tool suites and extensions to commercial FEA software.

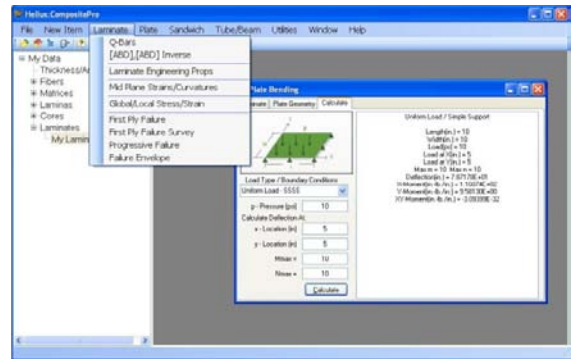
Our team offers a unique combination of composites analysis expertise and experience in commercial software development. With this, Firehole can create a custom analysis package built to help you meet your unique composite design challenges.



Before

Composite Laminate Analysis Tool															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[A] ₁		[A] ₂		[A] ₃		[A] ₄		[A] ₅		[A] ₆		[A] ₇		[A] ₈	
[B] ₁		[B] ₂		[B] ₃		[B] ₄		[B] ₅		[B] ₆		[B] ₇		[B] ₈	
[D] ₁		[D] ₂		[D] ₃		[D] ₄		[D] ₅		[D] ₆		[D] ₇		[D] ₈	
[E] ₁		[E] ₂		[E] ₃		[E] ₄		[E] ₅		[E] ₆		[E] ₇		[E] ₈	
[F] ₁		[F] ₂		[F] ₃		[F] ₄		[F] ₅		[F] ₆		[F] ₇		[F] ₈	
[G] ₁		[G] ₂		[G] ₃		[G] ₄		[G] ₅		[G] ₆		[G] ₇		[G] ₈	
[H] ₁		[H] ₂		[H] ₃		[H] ₄		[H] ₅		[H] ₆		[H] ₇		[H] ₈	
[I] ₁		[I] ₂		[I] ₃		[I] ₄		[I] ₅		[I] ₆		[I] ₇		[I] ₈	
[J] ₁		[J] ₂		[J] ₃		[J] ₄		[J] ₅		[J] ₆		[J] ₇		[J] ₈	
[K] ₁		[K] ₂		[K] ₃		[K] ₄		[K] ₅		[K] ₆		[K] ₇		[K] ₈	
[L] ₁		[L] ₂		[L] ₃		[L] ₄		[L] ₅		[L] ₆		[L] ₇		[L] ₈	
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[N] ₁		[N] ₂		[N] ₃		[N] ₄		[N] ₅		[N] ₆		[N] ₇		[N] ₈	
[O] ₁		[O] ₂		[O] ₃		[O] ₄		[O] ₅		[O] ₆		[O] ₇		[O] ₈	
[P] ₁		[P] ₂		[P] ₃		[P] ₄		[P] ₅		[P] ₆		[P] ₇		[P] ₈	
[Q] ₁		[Q] ₂		[Q] ₃		[Q] ₄		[Q] ₅		[Q] ₆		[Q] ₇		[Q] ₈	
[R] ₁		[R] ₂		[R] ₃		[R] ₄		[R] ₅		[R] ₆		[R] ₇		[R] ₈	
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[T] ₁		[T] ₂		[T] ₃		[T] ₄		[T] ₅		[T] ₆		[T] ₇		[T] ₈	
[U] ₁		[U] ₂		[U] ₃		[U] ₄		[U] ₅		[U] ₆		[U] ₇		[U] ₈	
[V] ₁		[V] ₂		[V] ₃		[V] ₄		[V] ₅		[V] ₆		[V] ₇		[V] ₈	
[W] ₁		[W] ₂		[W] ₃		[W] ₄		[W] ₅		[W] ₆		[W] ₇		[W] ₈	
[X] ₁		[X] ₂		[X] ₃		[X] ₄		[X] ₅		[X] ₆		[X] ₇		[X] ₈	
[Y] ₁		[Y] ₂		[Y] ₃		[Y] ₄		[Y] ₅		[Y] ₆		[Y] ₇		[Y] ₈	
[Z] ₁		[Z] ₂		[Z] ₃		[Z] ₄		[Z] ₅		[Z] ₆		[Z] ₇		[Z] ₈	

After



Enhance Your In-House SW Tools or Proprietary Processes

Already have the composites technology you need? Firehole can help you transfer that knowledge into commercial-quality software that can be utilized consistently and reliably throughout your workforce.

Incorporate Professional Software Elements

- Implement algorithms with efficiency and accuracy
- Support commercial code interfacing
- Add graphical user interfaces (GUIs)
- Support for multiple platforms (Windows, Linux, etc.)
- High performance parallelized applications
- Data export, plot, save-as, print functions
- Web-hosted applications
- Manage licensing
- Incorporate company branding
- Develop detailed user documentation

Build from scratch, or revise existing tools

Benefit from Professional Software Development

- Use of Subversion software configuration management (SCM) system & Trac issue tracking
- Use of MS Project for detailed management of development time and resources
- Thorough testing on multiple platforms
- Systems Engineering & Quality Assurance teams provide requirements definition, verification and quality control.