

## **Algor and FiberSystems Team Up to Provide End Users an Integrated Trouble-Free Installation of FRP Composite Pipe**

**The Challenge:** FRP Composite pipe provides the end user many benefits; including outstanding corrosion resistance and ease of installation.

However, because of its unique physical properties, FRP composite pipe requires significantly different design, engineering, and installation of the pipe supporting system than is typical for steel pipe. The failure to properly design a support system for the unique properties of FRP composite pipe often leads to field problems; including over stressing of joints and fittings.

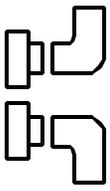


**The Solution:** Rather than purchasing the FRP composite pipe from one source, and the pipe supports (and their design and engineering) from another source, these field problems can be minimized by purchasing an integrated package from the supplier of the FRP composite pipe.



One software company that provides a complete engineering stress analysis program for pipe supports for FRP composite pipe is Algor, and their software package *PipePak*. FiberSystems and its sister company, Pipe Supports, Inc., have long used Algor's software to provide their customer complete "peace of mind" for engineered solutions of stress analysis and supporting systems of FRP composite pipe.

Recently, Pipe Supports and FiberSystems upgraded their Algor *PipePak* software to the latest version. As part of that upgrade a 3-day workshop was conducted in Dayton at our engineering offices to familiarize eleven of our engineering staff with the latest revisions and increased capabilities of the *PipePak* software.



## FiberSystems

521 Kiser Street  
Dayton, OH 45404-1641  
Tel: 937-222-9000  
Fax: 937-222-9020

## *Designing FRP Composite Pipe and Supports as a System*

06-30-2008

Page #2 of 2

This training workshop was conducted by Mike Fiedler, the Product Manager of Algor's *PipePak* software. Also participating in this workshop was Russ Johnson of Russcor (shown standing in the photo), considered by many to be the industry's most knowledgeable pipe support and structural design engineer for FRP composite piping.

Mr. Johnson has many years of engineering experience in both FRP composite pipe and piping support systems. He also in 1989 was instrumental in helping Algor write their initial pipe support stress analysis program then known as Pipe Plus.



Also shown in the photo, seated at the computer, is Martin Egan, our Structural Design Engineer. Mr. Egan has a B.S. and M.S. in Mechanical Engineering. Martin also is our primary engineer for Algor's piping stress analysis software.

*It is Innovation that sets us apart!*