EngineeredSoftware, Inc.

Company FAQ

What inspired the PIPE-FLO® software?
Calculating headloss in a piping system, a problem that begged a software solution….

When was ESI incorporated?
Engineered Software was incorporated in the state of Washington May 29, 1987.

How many people does ESI employ?
Engineered Software currently has over 35 employees.

What other businesses does ESI own?
Engineered Software is the parent company for PUMP-FLO Solutions, Fluid Fundamentals Training, ESI Press, and Flow of Fluids.

When did ESI start making CRANE's Flow of Fluids program?
ESI started to develop the Flow of Fluids program for CRANE on June 18, 1999.

But, I thought ESI and CRANE made their first business alliance in 2006?
Originally, Engineered Software, Inc. supplied the CRANE Companion software, Flow of Fluids. The Business agreement made in 2006 was for ESI to market and sell the Crane Technical Paper Number 410 (TP410). ESI is the only company Crane has agreed to let market, sell, and distribute the TP410. ESI is the only *authorized* distributer.

I am a journalist seeking to interview an ESI employee. Who can I contact regarding my request?
Please send an email message containing all pertinent details (the nature of the story, the person with whom you wish to speak, the deadline, information regarding your publication or outlet, etc.) to press@eng-software.com.

Who are ESI's major customers?
Our customers include:

- Piping system designers, builders, and operators that cover a variety of industries, throughout the world including: Aerospace & Defense, Chemical Process, Engineering Design & Consulting, Food & Beverage, General Industrial, Mining & Metals, Naval & Maritime, Oil, Gas & Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Semiconductors, Wastewater Collection & Treatment, and Education;
- Original equipment manufacturers (OEMs) and original design manufacturers (ODMs) who make pumps; and
- Pump distributers, buyers, and specifiers, looking to save time, increase accuracy, and improve productivity during the sizing, selection and quotation process of centrifugal and AODD pumps.

So how do you do all those calculations?

We couldn't possibly list all the equations we use here, but we do have a method of solutions that outlines how our software can determine all of these calculations and more:

- Pipeline Pressure Drop – Darcy-Weisbach formula (includes the Colebrook equation)
- Network Analysis – Hardy Cross & Linear methods
- Pump Evaluation – Hydraulic Institute Standards for Centrifugal, Rotary & Reciprocating Pumps
- Control Valve Evaluation – Instrument Society of America Standard ISA S75.01 *Flow Equations for Sizing Control Valves*
- Flow Meter Sizing - American Society of Mechanical Engineers Standard ASME MFC-3M Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi.

More detailed information is available for all our program's calculation methods online or by request. Please see our "*Method of Solutions"* for each program.