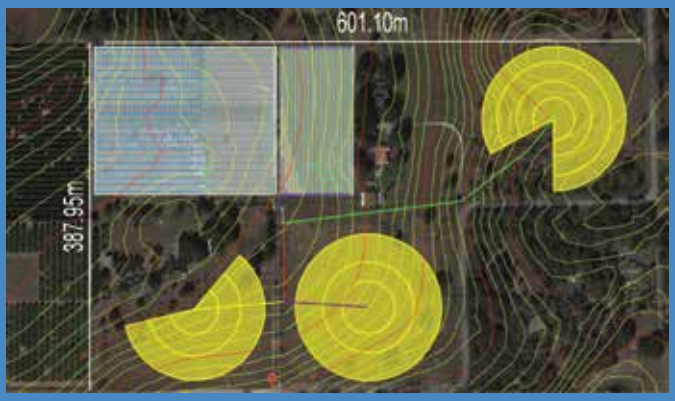
Senninger®
Established 1963

MADE IN USA

IRRIEXPRESS

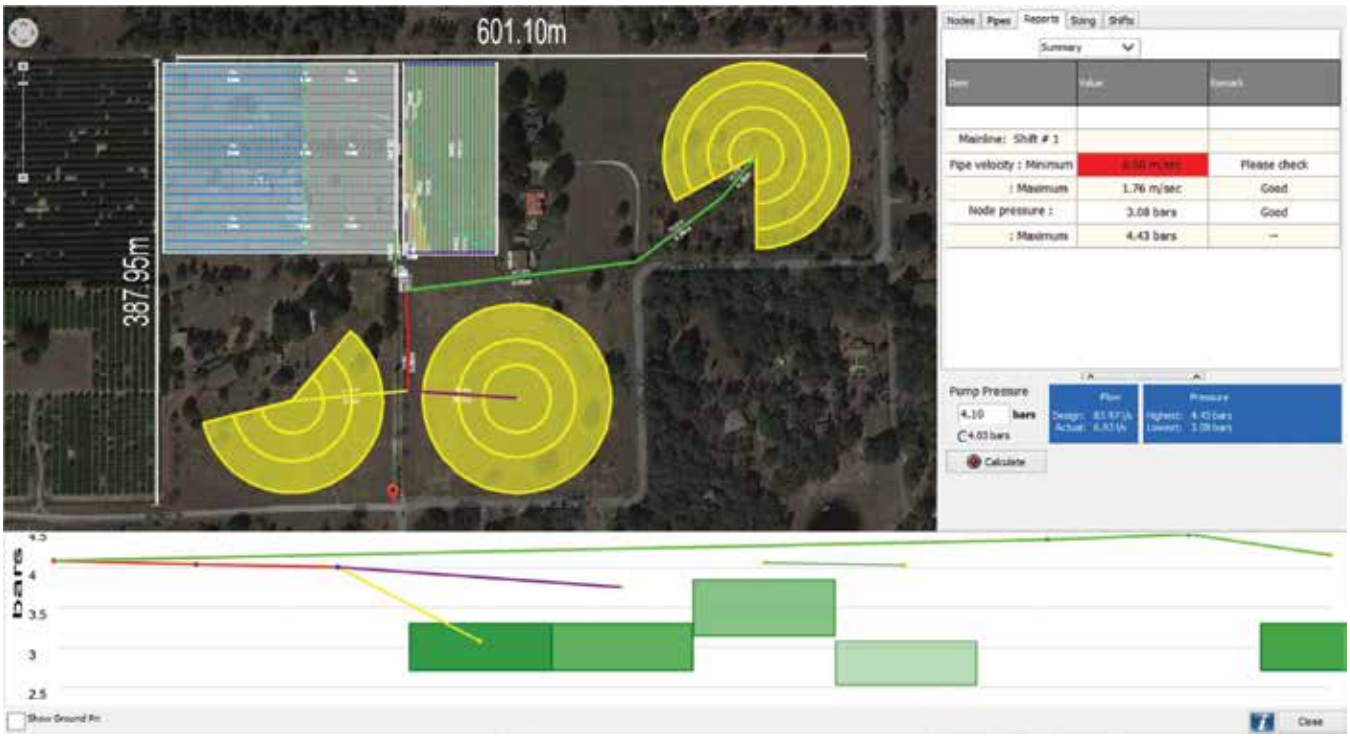


IRRIGATION DESIGN SOFTWARE

Create And Validate Irrigation Designs In Minutes. Design comprehensive irrigation projects with pivots, sprinklers and drip using a simple, intuitive and powerful program.

www.SENNINGER.com

IrriExpress Advantages



Your irrigation project is customized to your location. Elevation points from Google Maps are imported seamlessly.

IrriExpress lets you design irrigation projects using Google Maps. It seamlessly imports topography data from Google Maps and lets you design over a defined area's elevation points.

Using this information, the program produces contour plans customized to your location, performs a quick and comprehensive analysis of hydraulics, generates detailed PDF reports you can take to your clients, and lets you see the project on Google Earth and in 3D.

IrriExpress also analyses the topography under pivots and alerts you to potential slope and terrain problems. It visually identifies problems based on inputted upper and lower limits, optimizes pipe sizes and evaluates design alternatives. This error-checking feature provides an extra level of confidence in your design.

Senninger Irrigation Inc.
SERVING THE IRRIGATION INDUSTRY FOR OVER 50 YEARS

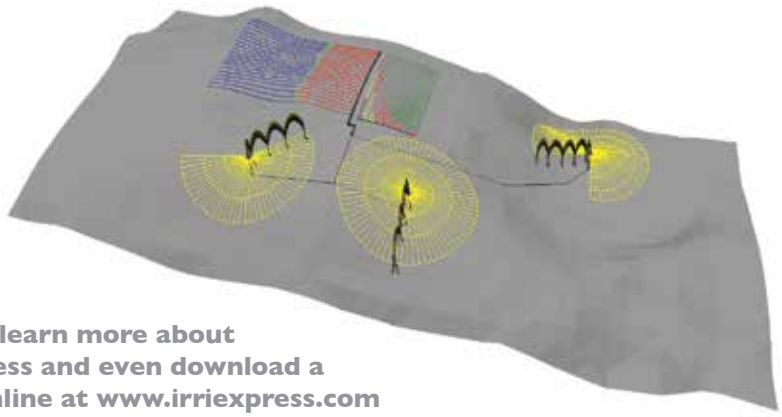
Easy to Use and Flexible Interface

IrriExpress' extremely user-friendly interface allows for quick learning and mastering. A familiar user interface and highly intuitive features help you navigate through the program with ease.

Well-known features like copy & paste, and undo & redo are incorporated into the program for quick alterations.

Additionally, an object inspector window is included so users can quickly edit features such as system capacity, valve data and design pressure. Any new designs or changes made to existing projects are visually represented on screen instantly. You can then view completed projects in 3D or overlaid on Google Earth.

View completed projects in 3D, overlaid on Google Earth.



You can learn more about IrriExpress and even download a demo online at www.irriexpress.com

IrriExpress Irrigation Design

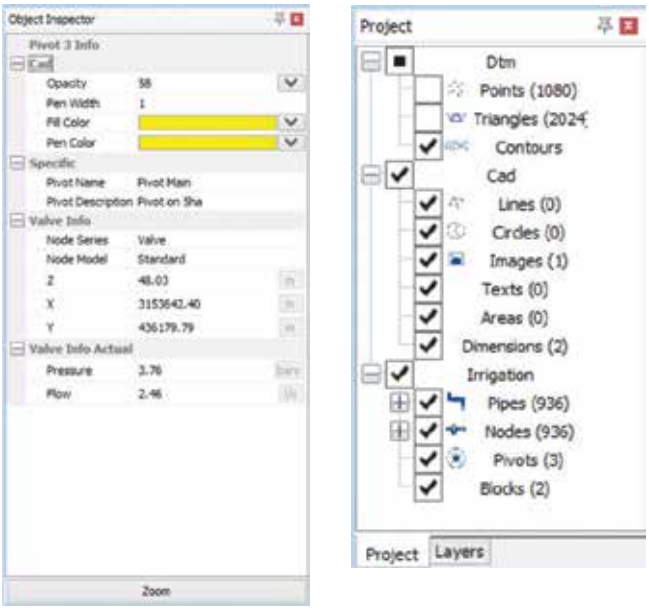
More advanced users can set up their own style preferences to speed up designs and improve work efficiency. This includes customizing any label, such as node pressure, pipe velocity and pipe diameter.

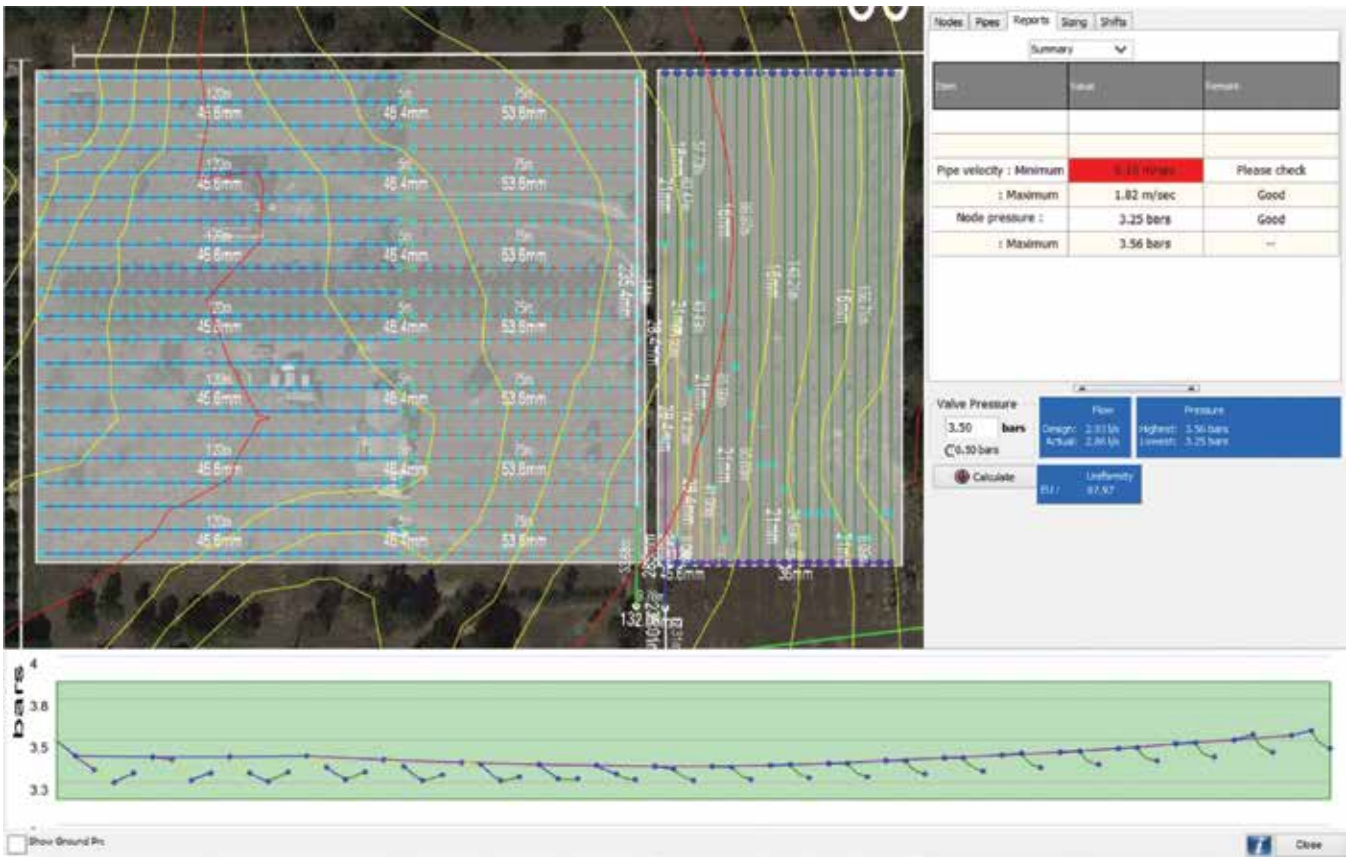
Full Irrigation System Design

Simple enough for beginners yet powerful enough for experts, IrriExpress lets you create pivot, solid set or drip layouts taking an unrestricted design approach. It provides full graphical control over each element of the design, including block areas, sprinklers, and pipes.

IrriExpress integrates with Google Maps to quickly gather elevation data and capture screenshots. Additionally, it can import data from a variety of file types, including DWG files with contours. With a location established, you can then begin adding pipes, pivots and other components over the highlighted blocks using a user defined node and pipe database.

The layers and object inspector windows enable quick design editing. Visuals like elevation points and text can be displayed or hidden with just a check and uncheck in the layer panel.





Quickly and comprehensively analyze hydraulics. IrriExpress displays the pressure at each valve and mainline, and gives you the ability to update the pump pressure as necessary. You can also assign shifts in your irrigation design to conserve power and cost.

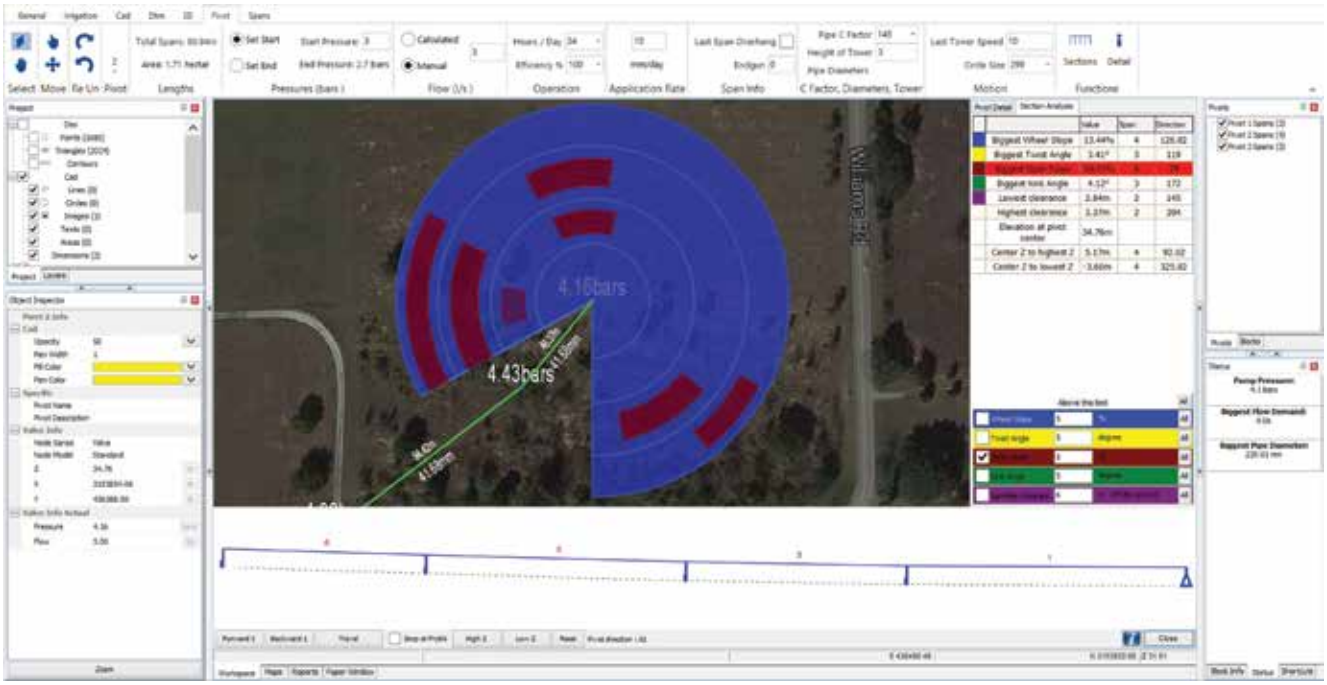
Easy to Analyze and Validate Designs

IrriExpress features improved intelligent reporting to summarize the pressure, flow and elevations of your entire project.

Once a preliminary system design is set up, you can use IrriExpress to analyze the project and determine the possibility of the installation's success.

Pivot designers can run wheel and span slope analysis or test their pivot for kinks and twisting. The software can report problems that will arise based on inputted upper and lower limits for different types of slopes and/or angles, and visually highlight these issues by simulating the pivot motion/rotation.

Solid set and drip system designers can use IrriExpress to conduct quick and comprehensive analysis of hydraulics, analyze the pressure at each valve and mainline, automatically update the pump pressure and pipe sizes as necessary, and assign shifts in the irrigation design to conserve power and cost. The program will also alert you to any issues with the system design, such as velocity or node pressures that are too high or too low.



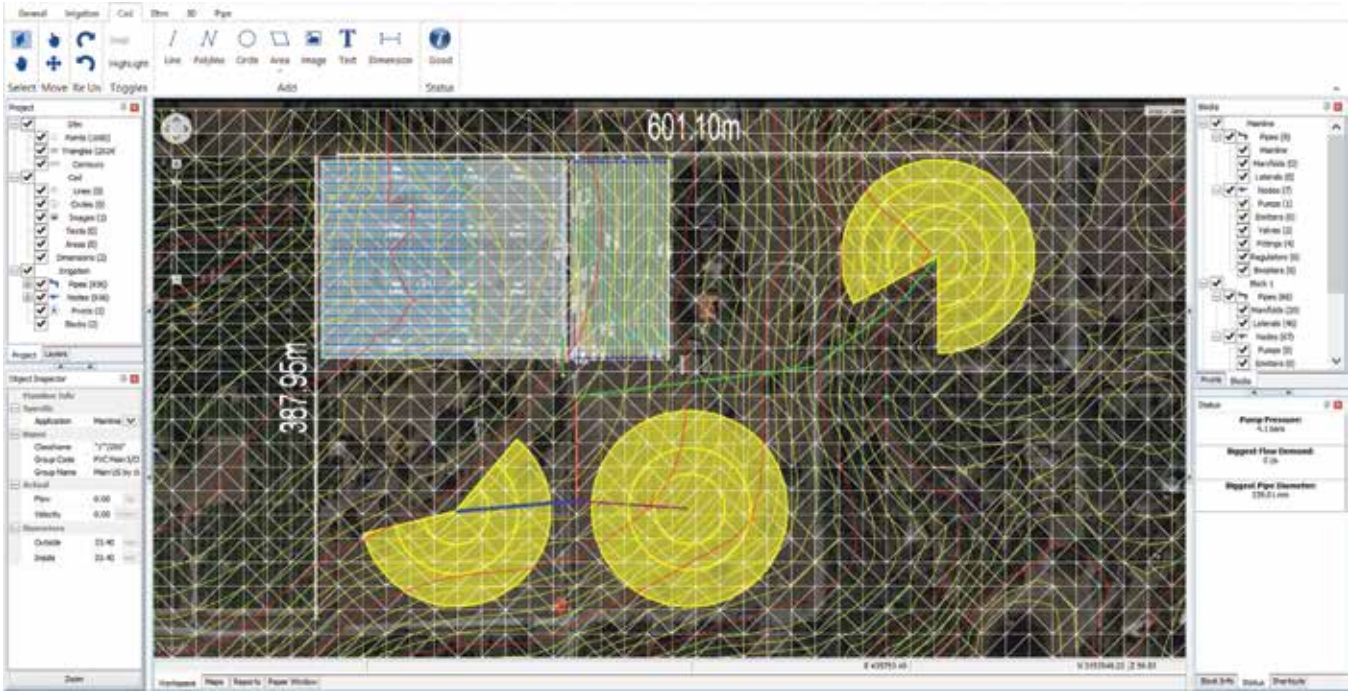
Analyze the wheel slope, twist angle, span slope, kink angle and sprinkler clearance of pivots. IrriExpress reports on problems that can arise based on your upper and lower limit inputs for different types of slopes.

IrriExpress Survey Data & CAD

Digital Terrain Modeling and Computer Aided Drafting

IrriExpress is the only program available that is directly linked with extensive DTM and CAD functions.

It can convert survey data into a computerized DTM format and use up to 9,000 survey points to generate a triangular surface model. It can also generate contour plans with data imported from ASCII co-ordinates, DXF, DWG and GPS files. There is no need to manually calculate coordinates, reduce survey field books, or do manual plotting of the proposed terrain.



The program also features an extensive number of CAD drawing elements, which allow designers to add specific details to the contour plan.

All contours and elevations are imported from Google Maps.

IrriExpress System Requirements and Specifications

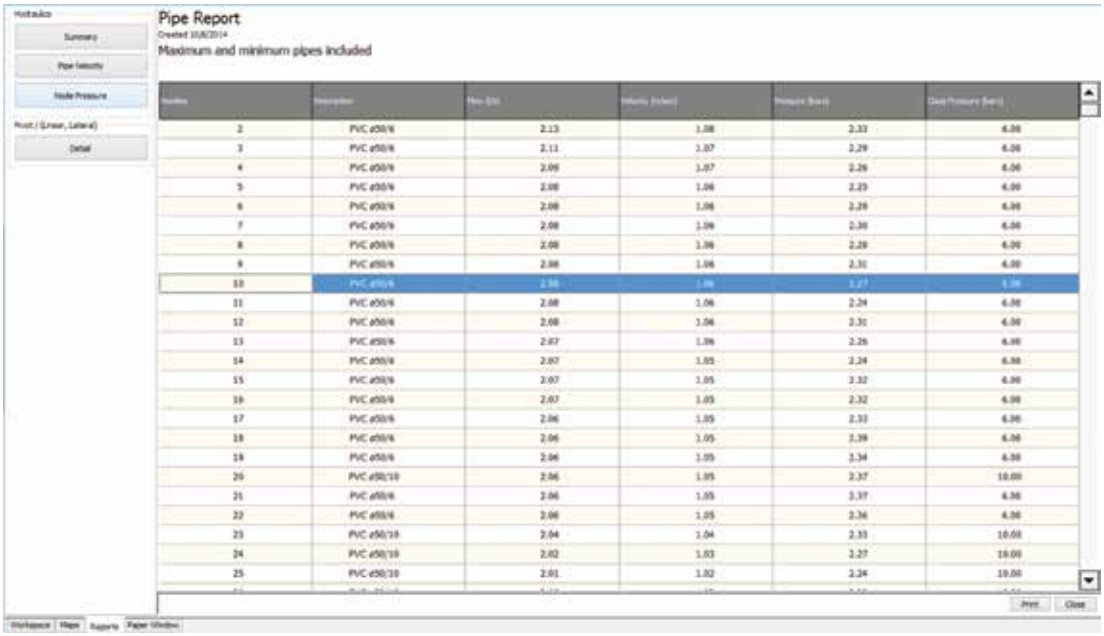
- Windows XP or later
- 200 MB free hard drive space
- 1 gigahertz (GHz) or faster; 32-bit (x86) or 64-bit (x64) processor
- 1 gigabyte (GB) RAM (32-bit) or 2 GB RAM (64-bit)
- Mouse-pointing device
- Working internet connection

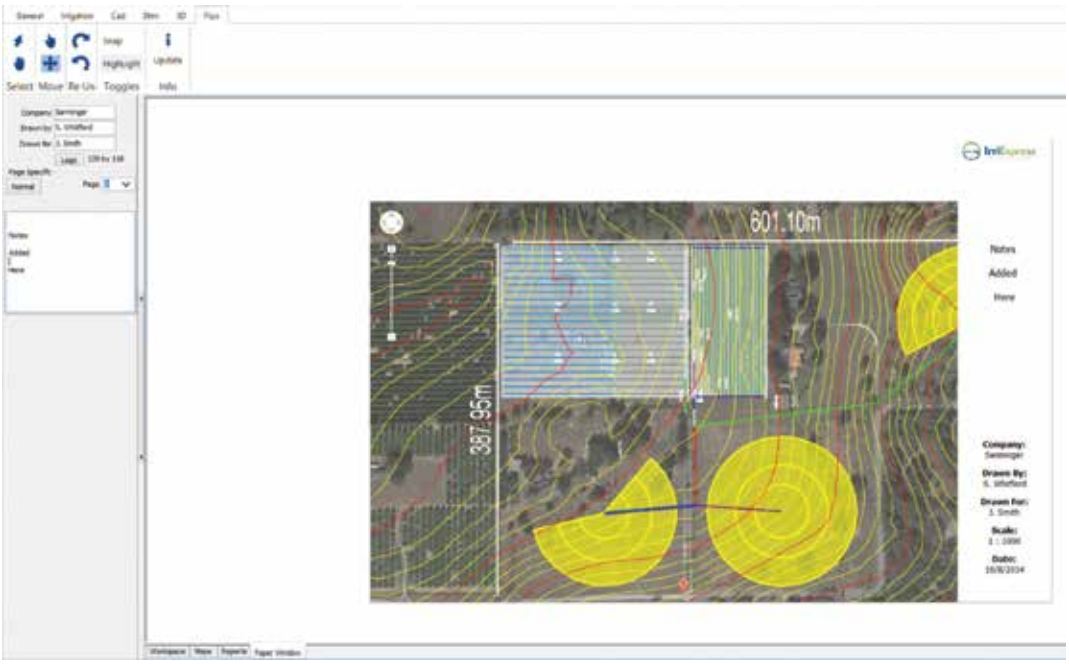
IMPORT FILE TYPES	EXPORT FILE TYPES
DWG	DWG
KML	---
IrriMaker Design Files	---
TOT	TOT
MIR	MIR
XML	XML
Senninger SennPaq Design Files	---
Trimble Shape Files	

Varied Output and Sharing Options

After the complete design of your project, you can create multiple PDF reports to share your design with clients and others. IrriExpress includes a number of predefined reports to help you determine the practicality of your project.

You can enhance the reports by zooming into different aspects of your design and adding notes to each page before generating the report. Designs can also be shared and opened in programs that read MIR, DWG, TOT, XML files. Other irrigation design programs can import IrriExpress designs shared in an XML format.





Senninger®
Irrigation Inc.

Made In U.S.A,

16220 E. Highway 50, Clermont, FL 34711
Phone (407) 877-5655
Fax (407) 905-8249
International Fax (407) 905-8239
Website: www.senninger.com
E-mail: info@senninger.com

15 IEX 01

MS923