THE TRUE WAY TO DESIGN

#1 irrigation design software on the market

- Easy to use
- Fast results
- Quality of design and efficiency of plant
- Savings in water, fertilizers and energy costs
- Quality and quantity of agricultural production
- Lower plant costs
IrriPro is able to accurately predict the functioning of the plant before it is realized and allows to improve existing plants.

IrriPro is able to know the behavior and the quality of irrigation in order to obtain the best distribution of the water on the ground, even when this presents any slope, the area to be irrigated is of any shape and the network is very extensive.

Whether it is a drip or rain plant, in an agricultural field or in a garden, IrriPro will accompany the professional in every design decision in order to obtain an efficient plant and quality irrigation. For concrete results in a short time.
IRRI PRO: THE NEW WAY TO DESIGN

SURVEY WITH GOOGLE MAPS™

IrriPro allows you to design plants remotely using Google Maps™

With Google Maps™ you can make the topographical survey (up to 2500 points recorded) in the area where you need to build the plant without moving from your PC. Once you have found the area to detect, the program will process the 3D model of the terrain where it will be designed and built the irrigation system as well as using high-resolution satellite images. The data collected will then be used to automatically assign heights, slopes and sizes to network elements and draw the contour lines.
The user can choose whether to draw directly on the working area or use a **simple and intuitive interface** which drives the designer from the survey and data input to the calculation of the elements of the network, up to the presentation of results. The user-friendly environment enables quick use with **short time of learning** and accurate results through simple procedures.

Managing **multiple editor** allows you to compare multiple options for the same system. The software allows both the **design** of new networks and the **verification of existing plants**.
IMPORTING

As well as Google Maps™, you can import CAD files, maps and photos. Scaled and with all the slopes.

The user can work with external files imported with ease within the work area: manage cartographic images (with scale management), acquire CAD files (with automatic detection of the contour lines and dimensions of the ground) as well as perform the surveying through Google Maps™.
INDO Technology

Draw the elements not only as lines and dots

Thanks to the INDO technology (Irrigation Network Data Object) developed by Irriworks, now you can draw the elements of a system (emitters, pipelines, etc..) and of the terrain not only as lines and dots but as objects containing hydraulic and geometric characteristics, materials and GIS information.

For example, changing the position of an element in the working area, IrriPro automatically updates the height, the element coordinates and the length and slope of related pipes.
The elaboration of thematic maps (2D and 3D), through different colors for different ranges of flow and pressure, allows to know how serious and large a negative condition is, and indicates in which part you need to intervene (red areas).

Currently there is no application that can process the spatial pattern of the hydraulic characteristics involved for an immediate assessment of the quality of irrigation.
The core technology of the software allows to **accurately calculate all the physical parameters** (pressure, flow rate, speed, uniformity, etc.) in each point representing its progress. Without an accurate and punctual results, you cannot predict, with the necessary rigor of design, the overall impact of the irrigation system response.

The works of analysis and assessment, presented in a simple and clear way, allows the technician to predict the quality of irrigation, and drives him to the changes necessary to improve water distribution.
IrriPro contains within it an extensive database of various brands. For each element of DB, you can find the related geometric and hydraulic characteristics to be used in the system, evaluated in the project and shown in the bill of material. The system is equipped with an evolved management of search queries for each type of element. The database can be customized on demand with products of a specific manufacturer.
IrriPro creates a bill of materials used in the project with just one click.

The document, drawn up within IrriPro (and exportable in pdf., Rtf., Html., Xls), reports for pipes, emitters and fittings, the **exact amount of parts to be used** for the construction of the plant. Also it indicates the choice from the database without having to refer to catalogs or using third-party software.

The results of the elaboration of IrriPro are expressed in the form of **diagrams, tables of numbers, documents and reports**, all exported to **various formats**. The CAD technical drawings elaborated show the scaled plant planimetry with legend, symbols and colors.
The correct design is the only way to achieve maximum efficiency and supply uniformity of plant. Even systems with pressure-compensating emitters have physical limits (compensation pressure) and require appropriate design.
IRRIPRO: THE NEW WAY TO DESIGN

Why to use IrriPro?

- Complete project, from pump to water supplied to each plant
- According to the most stringent scientific and technical requirements adopted today in designing
- Automatic design and sizing of the network
- Automatic calculation of flow rate and pressure necessary to a plant
- Calculation and management of head pump and limit pressure for pressure reducers
- Precise evaluation of the head losses due to pipes, emitters, fittings, valves, filters and to any other element
IRRIPRO: THE NEW WAY TO DESIGN

- Calculation of efficiency and of wasted volume
- Advanced feature (discretization) to design plants of any size
- Automatic update system for database and new features
- Advanced management of elements fittings to allow the right introduction of equipment, fittings, derivations, valves, etc.

The **competition software** on the market were **focused to drawing** leaving to the hydraulic design a marginal role.

**IrriPro** comply with engineering and hydraulic requirements, in order to achieve the best **technical design and drawing**.
IRRIPRO: THE NEW WAY TO DESIGN

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<thead>
<tr>
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<th>IrriPro</th>
<th>Other softwares</th>
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<tbody>
<tr>
<td>User-friendly interface</td>
<td>✓</td>
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<tr>
<td>3D model of terrain</td>
<td>✓</td>
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<tr>
<td>Simplified hydraulic calculation</td>
<td>✓</td>
<td>✓</td>
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<td>Rigorous and accurate project</td>
<td>✓</td>
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<tr>
<td>Verification of existing plants</td>
<td>✓</td>
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<tr>
<td>Database</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Calculate effective uniformity</td>
<td>✓</td>
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<tr>
<td>Maximum number of emitters calculable in the project</td>
<td>More than 1,000,000</td>
<td>5,000</td>
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IrriPro does **not require third-party software** for the design and processing of documents.

The available measurement systems are **SI, US and UK**.

**LANGUAGES:** Italian, English, French, Spanish, Portuguese and Russian
IrriPro is compatible with MS Windows (XP, Vista, 7 and 8 and 10), Mac OS and Linux.

Maximum compatibility, flexibility and portability

IrriPro id proposed in 3 versions, basing on the size of the plant that you need to design. You can purchase time limited or Life Time full versions. For more info:

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