

NO **IDEA**, NO SOFTWARE!



About **IDEA**

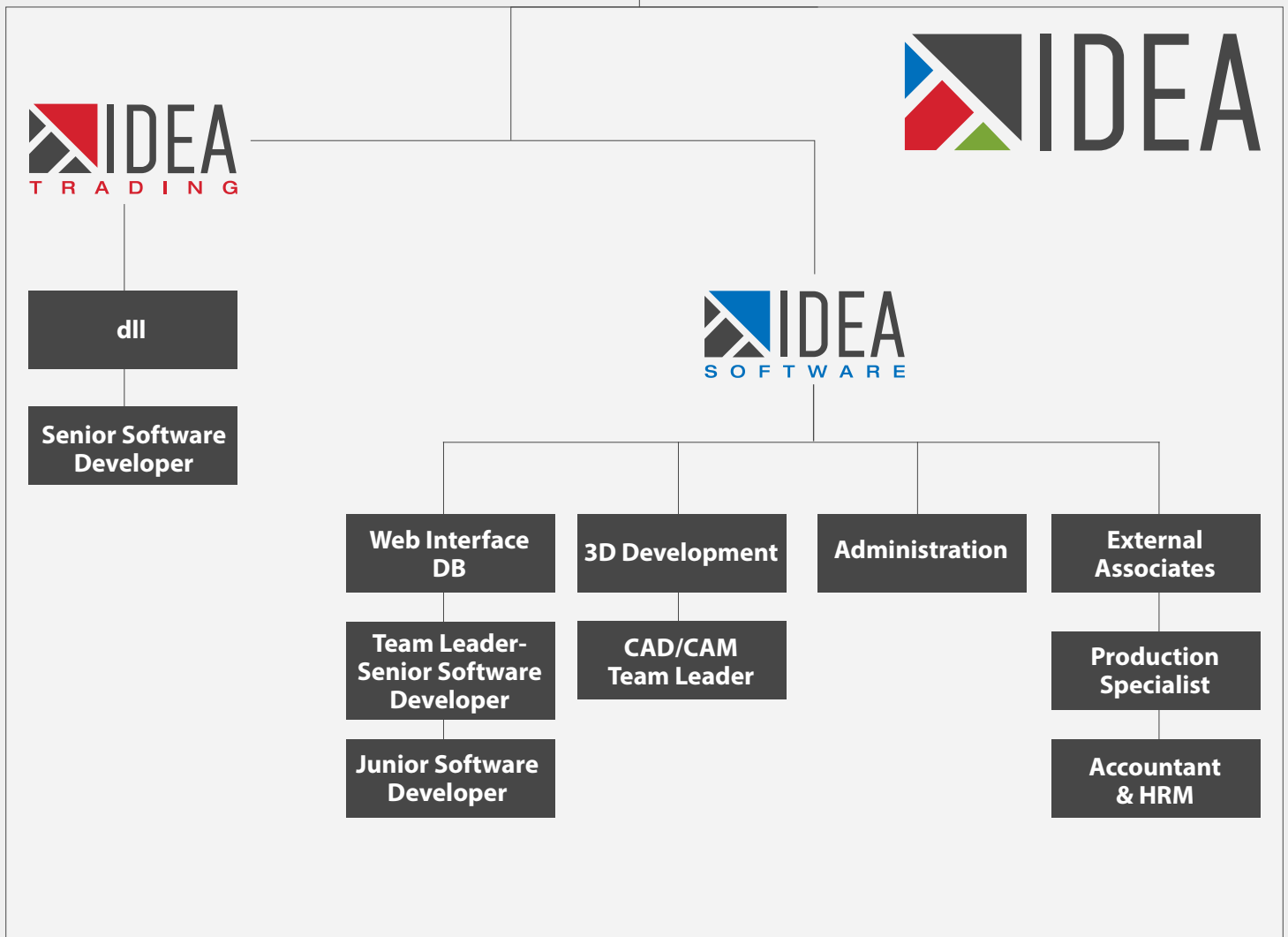
Idea Software was founded in 1989 with aim of producing software for engineering, air conditioning and refrigeration companies. Over the years Idea Software has developed the new approach to the problems of this industry.

Mission & vision

- Provide solutions to connect the technical aspects of design management and commercial needs
- Identify customer requirements and produce software for technical sales service and sales network
- Simulate using algorithms operation of Thermodynamic and Aerodynamic systems with a focus on energy assessments
- Provide an innovative and flexible approach to the specific issues of the plant sector, air conditioning and refrigeration

History

- 1989** Idea Software was founded
- 1993** Major player at national level in the development of application for the design of civil and industrial air conditioning systems
- 1994** Idea Software addressed the field of HVAC equipment manufacturers
- 1998** Increase of the activities with manufacturers and consolidation of leadership as a supplier of software
- 2003** Engagement in Web based products and development of the first applications, strictly dynamic for the Internet
- 2012** The **85% of the development is made in WEB** which is the main platform proposed to the costumers
- 2014** Idea Software opened office in Sarajevo
- 2015** Started with 3D development
- 2016** Mobile/tablet development; new software I-COMPRESSOR, I-HRS (heat recovery system)



Why Web?

As we have invested to switch from DOS to Windows, our strategic development has become Web. Same approach is visible by other software development companies (Microsoft, AutoDesk, etc.), which is becoming stronger each day and integrated in our daily business. We need constantly fast information exchange, reliable and up to date. Integrating more systems into one with web application is possible and becomes a powerful tool which speeds up the complete Offer till Production process and final delivery of product to your client.

Installation

Web-based software is software which is used over the internet with a web browser. There is no need to make any installation using CDs, or downloading setups. Users don't need to have specific PC performance, or will ever be forced to upgrade hardware. Only requirement is to have an updated version of web browser such as Internet Explorer, Google Chrome, Safari, or Firefox. The availability is 24 hours a day, 7 days a week. It allows the ability to work anywhere at any time on all devices, which means great flexibility.

Upgrade

With having the application installed on a server, there is no need to worry about upgrades. This means that any new version or modification is installed one time as upgrade on a server and immediately available for all users, improving efficiency and productivity, and avoiding any kind of confusion. With this, the costs are reduced, because there is no need for hardware upgrades and no additional time spent from internal IT resources.

Backup

With traditional software, employees save data on their laptops, USB drives, or portable hard drives. Web-based software has backup which is today more than secure, because we use a combination of Cloud Service (our suggestion is Azure). Your data is backed up daily and our backups are stored in multiple locations for additional redundancy. You could say our backups have backups. The same approach is also for our source code. This means that your IT can stay focused on their daily tasks, because we handle the rest.

Secure Access

Granting (or denying) a new or existing employee access is easy, because everything is managed via web interface and all changes are real time applied. No need to wait for password confirmation, or to enable trial access for potential new clients. There are no more needs for capital investment to buy licenses for multiple individual desktops.

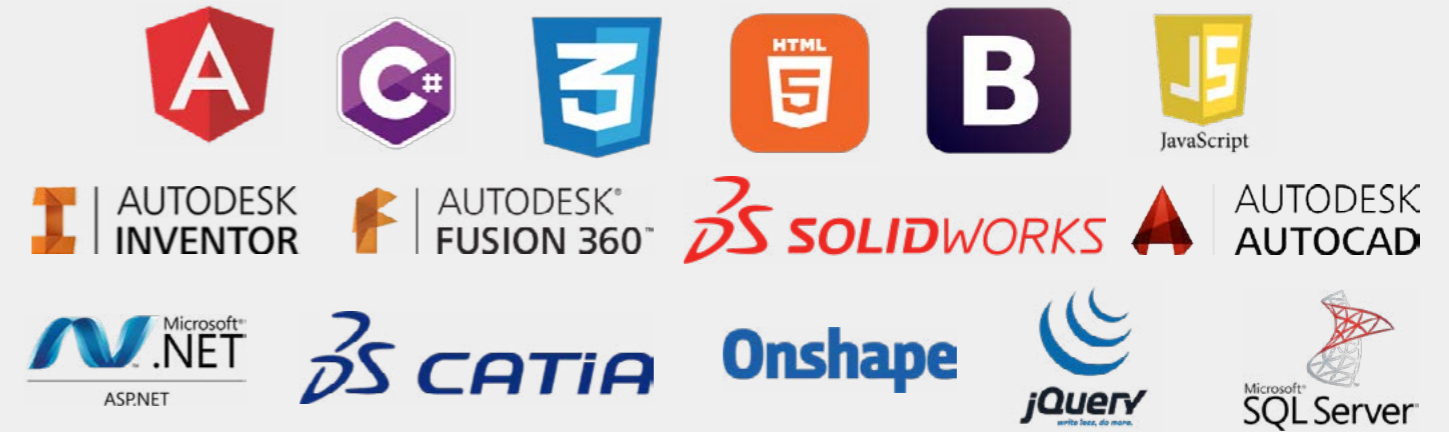
User Friendly Interface

Our design is easy to use, intuitive, which means it is enough to have basic browser experience, beside the knowledge about the product. We use the latest technology in our development process, and take care to customize the web interface according to the customer experience and knowledge from the market.

Combining Web Software with internal in house ERP systems

We are able to connect with any other in house information system, so our Clients can have always up-to-date data as for example price lists. No double work for retyping, or any possibility to make mistakes.

Skills



Services

Assistance

We provide computerized assistance service, with e-mail or skype using the possibility to share the video to explain better the operations to do or to verify what's happen on the user PC. Our assistance service is free during the first year. It will be bind to a contract with annual expiry for the next year.

Technical documentation

Interactive production of technical drawings; Production of 3D models and generative production of technical drawings; Generative production of technical drawings using 3D models taken from client in native format or in exchange format (*.step,*.igs, etc.).

Non real-time rendering

Represents high quality photo-realistic images achieved by using mostly ray-tracing technology. Rendering itself, helps for choosing colors and materials and is widely used for making photo-realistic images and animations for promotional material: brochures, billboards, web pages, advertisement.

Software's customization

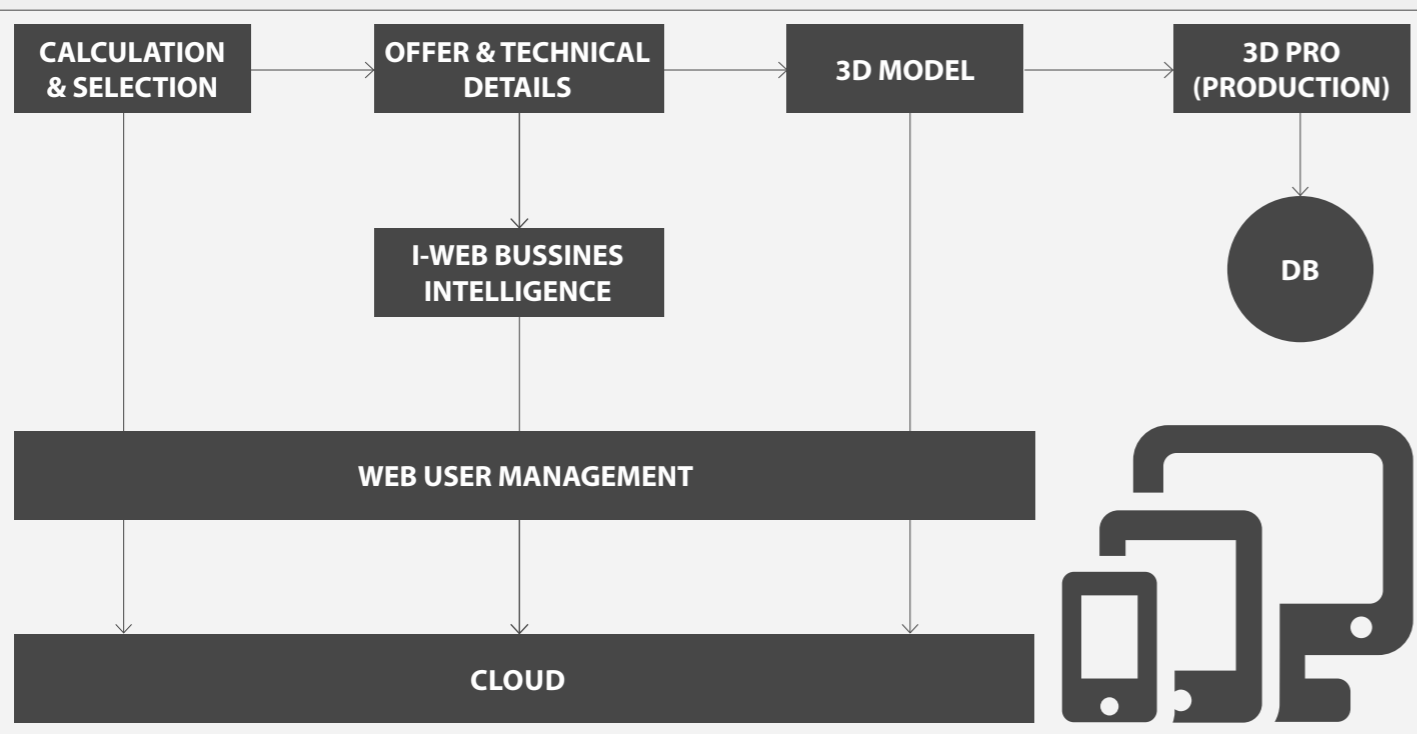
All our software can be customized by introducing modification to the main settings of the program, calculation functioning, graphic settings, print out of technical and economic data, etc. Customization can be fixed during the purchase of the program and/or in a second time if the customer decides to modify the software.

Cloud

Azure Storage provides scalable, secure and performance-efficient storage services in the Cloud. We provide complete Registration process support, in order to give precise planning of capacity / processors / licensing according to your needs. Final result is Up and Running Web Application with best Performance and Optimized Monthly Costs

Advice for specific implementation

Our software is able to resolve the standard necessities of thermodynamic calculation relating to the products selection, where we can provide support to develop calculation of special units in order to solve specific problems. We are experienced to link our software with informative system to obtain price lists and customers' data (SAP, Baan).



PRODUCTS

AIR HANDLING UNITS



I-AHU

• the software allows to design the unit using a simple and intuitive graphical interface.



I-AHU 3DPRO

• Automatic generating of parametric AHU 3D models and complete production documentation with drawings and part lists (complete bill of material). Modules for sheet metal nesting and CNC machine programs available.



Selection Software



Eurovent Requirements



3D Production Software



Part Load



Energetic Analysis

HEAT EXCHANGERS



I-COILS

• calculation of finned heat exchangers with geometries defined in a database of technical parameters



I-COILS 3DPRO

• main target is to accelerate the production process, development and documentation for heat exchangers



I-HRS

• calculation package for Heat Recovery Systems which works using the same dll for coils calculation software I-COILS. In the process of selection, conditions of inlet/outlet air, the requested power, the efficiency of the system and the geometries and dimensions of each coil in the system will be set up.

AIR CONDITIONER



I-AIRUNIT

• performs the selection of units consisting of heat exchangers and fans as dry coolers, with remote-capacitors, air coolers, etc.



I-AIRCOMF

• the software calculates and selects air/air and water/air units as air conditioner and roof top



I-ROOFTOP

• consider the different version of the units evaluating the heat recovery equipment, mixing box and free cooling system. The application include also part load calculation and EC fans. SEER and SCOP as Eurovent specification is provided. It's possible to make energetic analysis.

For more information about our products, please contact our office.

PRECISION AIR CONDITIONER



I-AIRTECH

• considers units operating in connection with remote condenser, water condenser and chilled water

FAN COILS



I-FCU

• technical selection
• fan diagrams
• psychometric chart at the specified operating conditions

OTHER



I-PSYCRO

• it is possible to insert, evaluate and read all the specific data transformations that occur during air treatment phase



I-DESIGN

• unit designer can set the design conditions, the size of the thermal exchange batteries, the type of components and the number of circuits in the unit



I-COMP

• technical selection and quotation for refrigerant compressors. The application consider liquid injection, oil cooling and economizer options. Web service is available to allow the use of the dll to in other software (chiller, air conditioner, etc).



I-PACKAGING

• used to solve shipping problem by finding the optimal solution how to rotate and fill with more efficiency chosen types of containers with defined product list

CHILLER



I-HPU

• the application makes a technical selection for unit designed to produce heating. The range of products considered from the software includes geothermal system, water water and air water units. SCOP calculation as Eurovent specification is provided. It is available also energetic analysis.



I-CHILL

• units configured with heat recoveries, free cooling and multifunction versions