







## TOO GOOD TO BE TRUE!

**X-Cross** is the management software that allows you to work, from any location, with the same operating modes of desktop programs based on client-server logic. It is based on the innovative **CrossModel** development system that allows the creation of database-driven applications with a huge saving of time and instructions compared to any other solution on the market today.





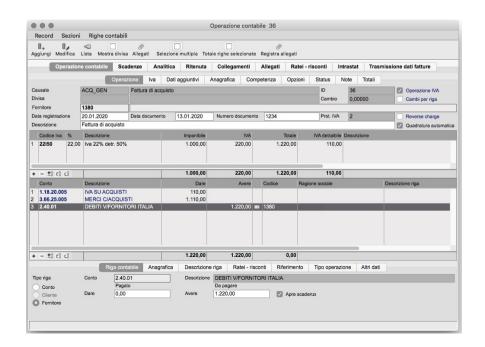
## X-CROSS, THE REVOLUTIONARY MANAGEMENT SOFTWARE

A new way to envision your ERP

X-Cross is the management software (ERP) that has definitively solved most of the problems that limit the potential of these programs.

Every ERP user would prefer to:

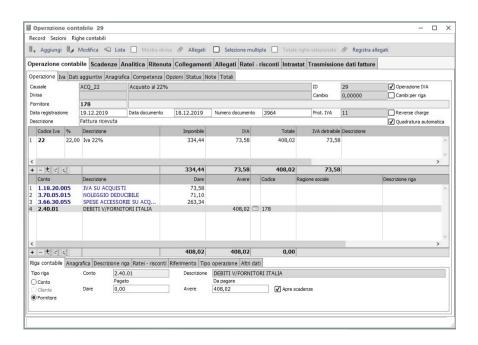
- Use the software on the Internet without the limitations of the programs in the browser.
- Have a customized program without the problems of customizations.
- Use it on Windows and Macintosh in native desktop mode, not in the browser.



- Have everything that may be needed in the management software without any limited and problematic connection to external software:
  - F-mail
  - Document management
  - CRM (customer relationship management).
- Have multiple "virtual desktops" to carry on different activities without confusion.
- Work with software where all the data updates are performed in real time with no waiting times.
- Have a built-in word processor to handle text with characters, formatting (bold, underline, etc.) and graphics and images along with the text.

#### X-Cross offers all this, but that's certainly not all it can offer...

These extremely innovative features are an add-on to a management system that in itself offers general and application functionalities that make it an absolutely unique ERP...





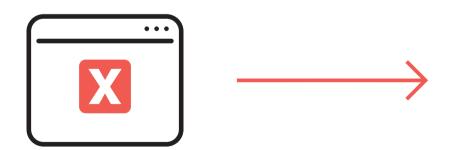
# ERP ON THE INTERNET WITHOUT THE USUAL LIMITATIONS OF INTERNET SOLUTIONS

#### The limits of the ERPs in the browser

The typical solution to use a management system on the Internet is **program running in the browser.** 

Unfortunately this type of architecture is affected by a whole series of **limitations** that drastically **reduce its functionality and usability compared to client-server programs in the local network.** 

The program in the browser, perfectly adequate to manage simple operations (for example Internet banking), is absolutely inadequate to deal with complex problems, interfaces and data structures such as those found in ERPs.



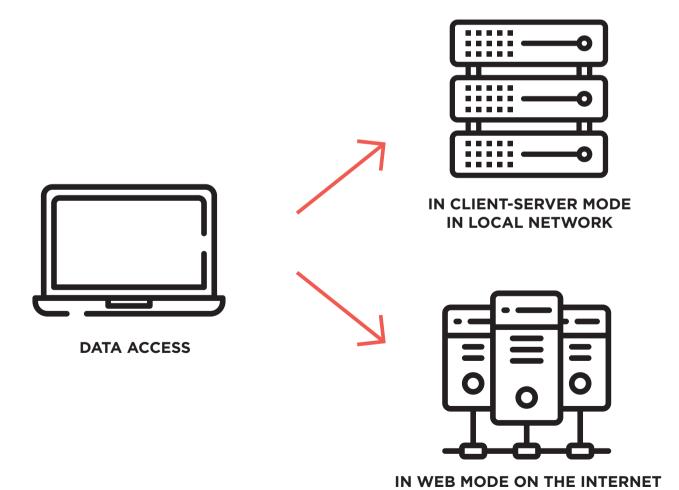
X-CROSS RUNS IN DESKTOP MODE ON THE USER'S COMPUTER

#### The Total Client technology of X-Cross

Every user would prefer to be able to use the management software on the Web with the same interface, the same operating mode and the same speed he is used to in his office workplace.

Today this is possible: X-Cross's exclusive **Total Client technology** allows you to use the same program both on a local network and on the Web, without any interface difference or reduction in functionality, and with practically the same operating speed.

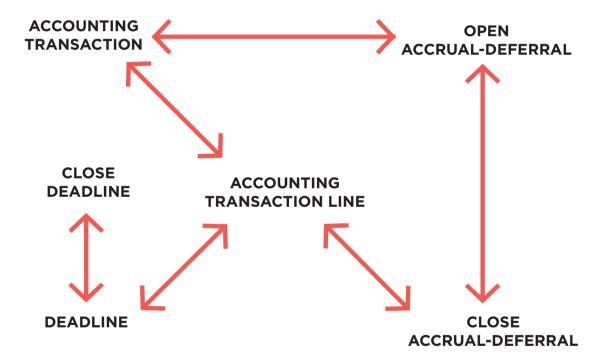
**X-Cross** is a desktop application, which runs as a separate program and not as a "guest" within the browser, and therefore does not suffer from the heavy limitations of programs with the latter type of technology.



#### Multi-level object data structure

The "operational objects" on which the user really works often do not refer to a single database table, but have a much more complex data structure, which includes multiple tables related to each other ("relational database").

For example, an accounting entry is constituted of several tables linked together, of which this is a very simplified representation.



Similarly to the accounting entry, an invoice is composed of at least one header and one or more lines; in practice, the tables involved are many more; for example we can have expenses, subtotals, commissions, lots, etc.

The same is true for many other sections of a management software.

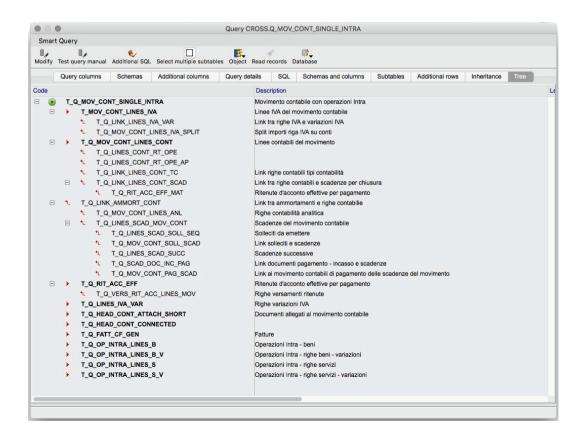


## THE SECRET OF X-CROSS

#### **OXRM - Object eXtensible Relational Mapping**

X-Cross's unique object-oriented data structure (**OXRM - Object eXtensible Relational Mapping**) offers a brilliant solutions for this problem, creating a bridge between the user's way of working and that of the database.

The OXRM model connects these tables together into a single complex multilevel object.



In the Web environment, this single "object" is **read and written in a single operation**, transmitting data in a highly optimized format with real-time compression, and not through multiple readings of single tables.

In the example of the invoice, when the user confirms the insert or update, **the whole invoice object is transmitted to the server** (with data compression in real time), and the server breaks it down into individual transactions (inserts and updates) that will be applied to the database tables.

This type of data structure dramatically increases the functionality and operating speed of the program, and allows you to work on the internet with unparalleled efficiency.

In practice, the user can work on the Internet as at his own workplace, with an absolutely negligible difference in performance.

#### Simplicity of server infrastructure

Many programs that run in the browser require a **complicated (and expensive) server-side architecture**, and many of them only run on the proprietary server of the developer software house.

**X-Cross requires an extremely simple – internally developed - server infrastructure**, which can be set up in a very short time and can work both on an external server in a server farm or on the company's server, at no additional cost.

#### Safe on the Web

The data is transmitted over the network with **400-bit Blowfish encryption** - actually impossible to decrypt.

Furthermore, the server architecture is extremely safe from hacker attacks.

The classic HTTP servers, which are necessary to use the program in the browser, are exposed to hacker attacks, as they use well-known technologies, of which it is possible to exploit vulnerabilities.

The X-Cross internet technology has been entirely developed internally and makes any type of external attack extremely difficult, without even requiring additional security tools, which, however, can be implemented if desired.





## **CUSTOM ERP WITHOUT THE PROBLEMS OF CUSTOMIZATIONS**

An ERP is aimed at companies of many different types; even in the same sector, each company can have a different way of working. Many of the management software on the market offer the possibility of being customized to adapt to customer needs.

### So, everything's good? No, unfortunately this is not the case.

Those who have ventured into the adventure of having an ERP customized have immediately realized that this operation has two main problems.

#### 1 Costs and times of customizations

While the development costs of the standard program are shared among all users, those of the customizations are fully charged to those who request them.

The final cost of the changes you require very often ends up being very high.

In addition to this, development times are also very long. The use of the CrossModel development system allows to have very reduced development times and costs of customizations compared to traditional methods, with significant savings for the user.

#### Costs of customization updates

Those who have overcome the first obstacle, and have decided to develop a customized version of the software anyway, later become aware of an even more serious problem.

Each update of the standard program to newer versions, in fact, involves considerable costs each time for the transfer of customizations to the new version.

The alternative, that many end up chosing, is to remain anchored to the version of the program on which the customization was developed, giving up subsequent updates, but obviously with significant disadvantages.

Furthermore, in certain situations (new operating systems, legal updates, etc.) the version update is practically mandatory.

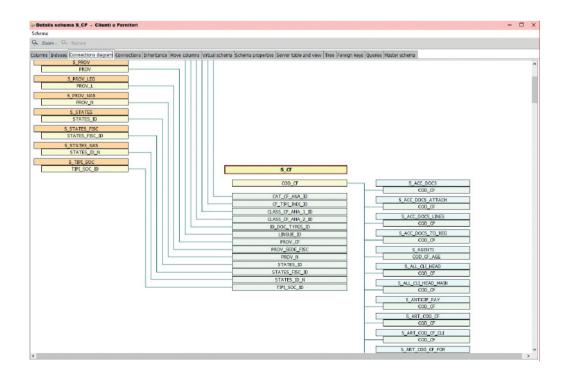
## THE CROSSMODEL SOLUTION

## CrossModel offers a brilliant solution for both these problems.

CrossModel is the development tool with which X-Cross was created, and was specifically designed to create an ERP by solving at the root, in addition to the problems of working on the Web, also those related to customizations.

#### **Reduced times and costs**

CrossModel, already in the development phase, drastically reduces time and cost of customisations, thanks to a very advanced data modeling tool, a sophisticated framework and many very hi-level programming features.



#### Separated or integrated customizations?

This is the dilemma of those who have to customize a management software.

- If customizations are developed as a **separate object**, their interaction with the standard program is limited.
- If you change the standard program, the customizations interact in an optimal way, but the changes must be transferred to each new version

#### The CrossModel technology

Thanks to its exclusive technology, the customizations developed with CrossModel are stored separately, but at the same time they can interact with the standard program in an extremely efficient way, practically as if the standard program itself had been modified.

CrossModel, therefore, puts together the advantages of both solutions, eliminating their disadvantages.

#### The data structure of CrossModel

In its unique data structure, each database table can have a custom extension, where additional customization data can be stored.

This table works as an "appendix" to the main table, and is kept up to date without any additional programming work.

#### **CrossModel Objects**

The objects of the program are used with a methodology called "library level"; in this way, **the customized objects (if present) are used instead of the standard ones**, without modifying the latter.

#### **Modular windows**

The program windows are built with a **modular technology** (subwindows), which allows the developer of the customization to add interface elements exactly where it is needed, without any change to the standard. In practice, the windows, which form the user-program interface, can have a highly customized format, but without updating problems.

#### The user interface

As a result, we can have, in addition to a totally customized data structure, a "tailor-made" user interface for consulting, entering and modifying data.

#### The programming logic

Each programming method of the standard program can be integrated or completely replaced by customized instructions, modifying the operating logic without altering the original software in any way.

#### No upgrade costs

The CrossModel development system allows you to **update the customized program to the latest versions at no additional cost** for the transfer of the customizations, that are automatically transferred in the new standard version without any manual intervention.



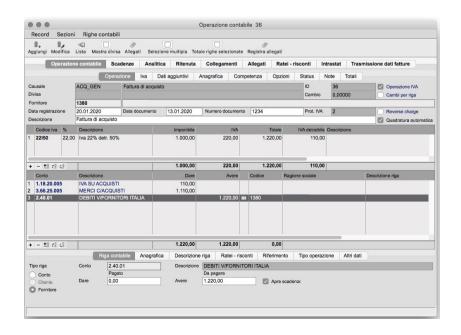


## ERP ON MACINTOSH IN NATIVE DESKTOP MODE

In companies where Macintosh computers are used, even if only partially, there is the problem of the software to use on this platform.

- Programs that pretend to run on Macintosh are actually mostly browser-based solutions, with all the limitations of this technology.
- Practically all ERPs operating in desktop mode are in Windows environment, and therefore must be used on Macintosh not in native mode but through a Windows virtual machine.

X-Cross is 100% a Macintosh native desktop application, and allows you to use at full capacity the program on this platform, taking advantage of its interface and operating capabilities.





### **ALL IN ONE**

In X-Cross, many functions that are usually delegated to external programs are fully integrated into the management system, for the maximum operational efficiency.

#### **Document management**

The document management is fully integrated into the program, and this solves the problem of **duplication and synchronization of separate databases**.

Each document can be linked to a database record (for example accounting entries, commercial documents, customers and suppliers, inventory items, etc.).

#### **CRM**

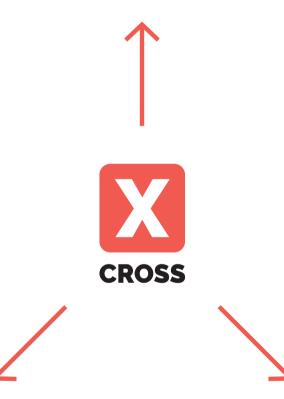
CRM (Customer Relationship Management) is also integrated into the program, and even in this case duplications and misalignment of the archives are avoided.

The CRM data can be completed by the management software data (commercial documents), for a complete overview of the customer's situation.

#### E-mail

X-Cross includes a complete built-in email client, which is fully integrated with CRM but can also operate independently. The emails are connected to the customer, supplier and contact data, integrating the information of commercial management and CRM.









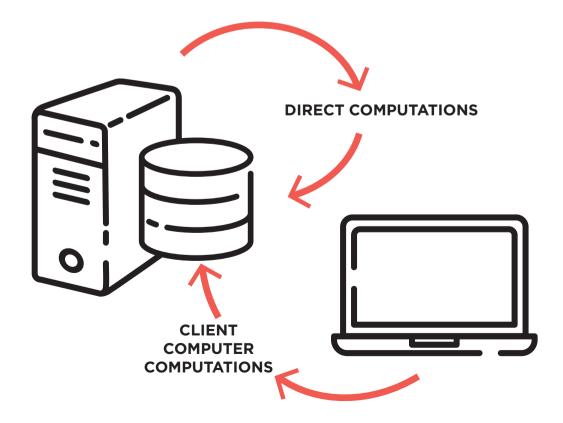


### **USE OF DATABASE PROCEDURES**

#### **Calculations and procedures in the database**

In X-Cross, the operations to update the database (for example the recalculation of stock inserting a transaction) are executed using **the native language of the database**, and are linked to the occurrence of certain events (insert, update or delete of records), the so-called "triggers".

This, compared to the indirect execution of procedures (i.e. by the client computer connected to the database), is 100-200 times faster, and gives a much higher data security.

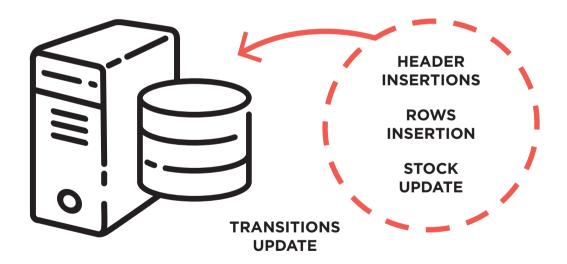


#### **Transactional database updates**

Complex database updates, even if they involve multiple tables, are done in a single transaction.

This means that if something goes wrong, the whole operation is canceled, as if it had never been performed.

So, if for some reason the connection is interrupted, or even in the case that the database server itself goes into error, the data structure does not suffer any damage and is also internally consistent; in fact the updates performed are "all or nothing", that is, either everything is successful or the database is not modified at all, still reporting the error.



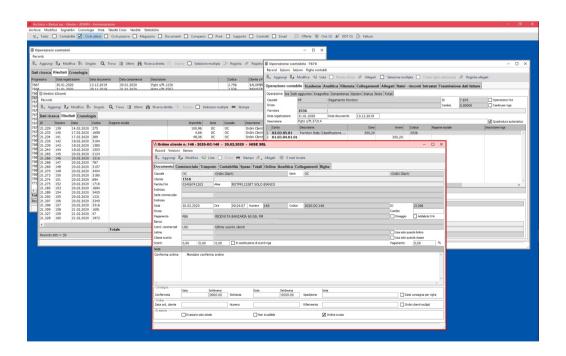
#### Benefits for the user:

- Maximum efficiency and operating speed.
- Very high data transmission speed on the Internet.
- Consistency and security of database transactions.



## MULTIPLE TASKS AND "VIRTUAL DESKTOPS"

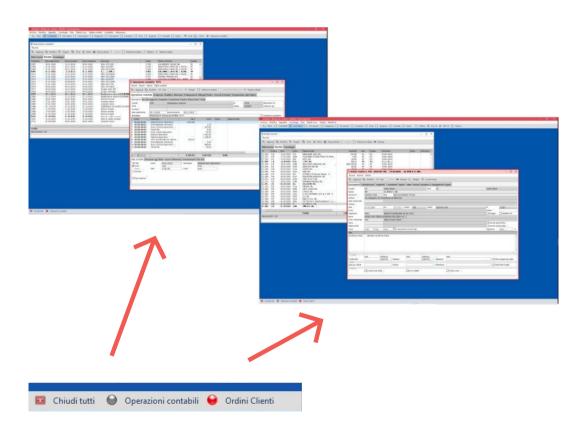
In programs that work with multiple windows, the simultaneous use of various sections creates a work environment that is confusing and difficult to use, where many windows without any relationship between them are visible at the same time.



In X-Cross, the various operating sections of the program are contained in a single "task", that is a separate section of the program that groups all the objects that work together in a single function.

For example, the Accounting operations section is a task, and groups all the objects (windows, menus, toolbars and more) that allow the functionality of this section.

These "tasks" operate in "multiple desktops", which group together windows and other objects of the same task.



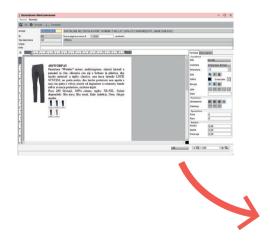


### **BUILT-IN WORD PROCESSOR**

X-Cross includes a complete Word processor, which allows you to insert text and graphics together within the database.

Unlike other software, which are connected to external programs (very often MS Office) and that have major operational limits, the documents created with this Word processor **can be used like any other text inserted in the program** and are printable within standard reports.

A classic use is in the **stock items descriptions**, which once created can be used in documents, for example quotations.







### **BOUTIQUE SOFTWARE**

Many software houses, in their adverts, point out the fact that they have many users, using the gregarious instinct that makes feel safer following the choices of many others instead of choosing with one's own head.

#### But are we really sure that this is the best choice?

The "generalist" car manufacturers produce millions of cars a year; the more luxury ones a few hundred thousand, and the niche ones a few thousand.

If somebody offered you a car as a gift, which of the three would you choose?

#### Do you have a very expensive product?

No. There are two main ways to lower the price of a product:

- Economies of scale from higher sales volumes.
- More efficient production processes.

#### We chose the latter.

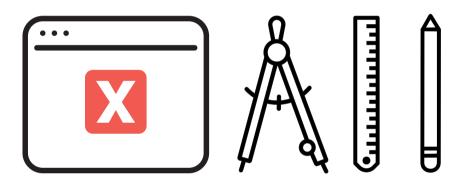
Traditionally, software is created by "legions" of programmers that write code manually and often the large number of employees that is needed is highlighted as a strength point.

X-Cross is developed with the CrossModel development system, which drastically reduces development times, and therefore costs.

We can therefore offer an elite product at prices that are competitive with "mass" software.

#### For us, each customer is as if he was the only one.

We produce state-of-the-art software with virtually no equivalent on the market, but in addition each customer is followed **individually**, with a service that can hardly be supplied by large manufacturers.



## Custom software without the problems of customizations

The **CrossModel** development system allows us to develop any customization to adapt the software to the user's needs, without losing compatibility with the standard version of the software and without having to transfer customizations to new versions..

#### In our company you can talk to those who decide.

How many times have you been told, dealing with large companies: "I'm not the one who makes the rules", and then you have not been able to talk to whoever decided?

This does not happen with us. If there is a problem, you will talk to those who have to decide how to solve it and will take responsibility for it.



## **BUT ARE YOU A "STARTUP"?**

No. X-Cross was developed by a software house with a very long history, which created the first Windows management software in Italy.



### 1987

One of the very first management programs on Macintosh. In the photo, the Mac on which it was created at the time.

### 1988

Target, the first Windows management software in Italy.

In the photo, the original package of the program (on 800 Kbytes floppy disk...) and the manuals.



### 1998

First object management software. This primacy was certified in a sentence of Italian Garante della Pubblicità of 15.01.1998, that said:

"From this point of view, the differences of the" Target "product compared to other competing products are such as to make the software in question truly unique in its kind, since competing products, programmed with" object language ", have inferior managerial functions and, therefore, not superimposable with the product reported, both in relation to costs and in relation to the application methods. Therefore, the advertising message does not appear suitable to generate erroneous expectations in the recipients, as the "Target" product, based on the technical characteristics meticulously specified by the advertiser in the defensive memory, is actually a software that appears to be characterized by specific functions not possessed by other competing products and which was made before the latter. The claim of "primacy" and "uniqueness" is therefore justified. "



## 2001

Target Cross, client-server multi database software, was born. This program is still commercialized under license by various distributors, including non-different trade names, and has thousand of users in Italy and abroad.

## 2014

X-Cross is born, continuing the tradition of technical leadership of our products.



20?? to be continued ...

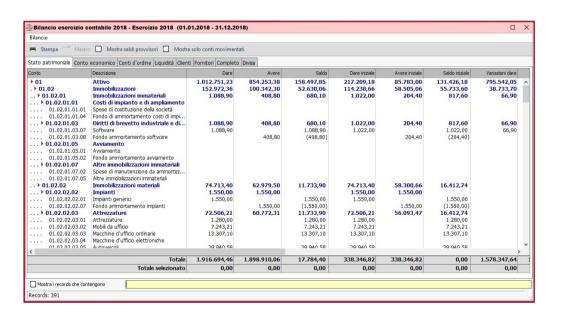


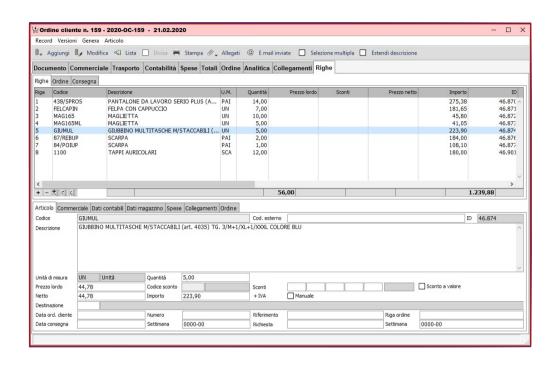


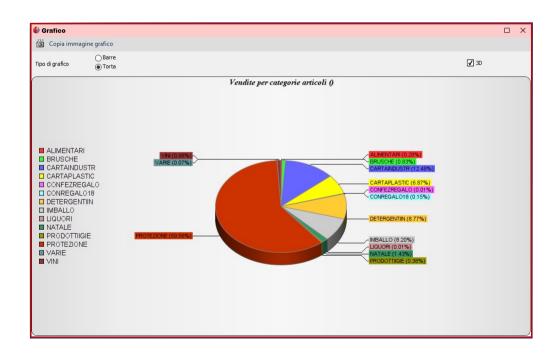
## TECHNOLOGY IS NOT ENOUGH - MANAGEMENT FEATURES

Of course, the very advanced technology of X-Cross would be useless if without general and specific functionalities that make it a product of absolute excellence.

The extremely advanced data structure, task operation and in general the sophisticated technology that is the base of the program have allowed the development of application features that are at the same time extremely sophisticated and simple, fast and efficient in daily use.







## Main management features: General and VAT accounting

- Double entry accounting
- VAT accounting
- Automatic management of intra-EU VAT and reverse charge
- Financial statements for the fiscal year or partial
- Balance sheet reclassifications
- Deadlines management
  - Payment reminders
- Payment documents collection
  - Bank receipts
  - Swift SEPA transfers
- Active and passive withholding tax

- Accruals and deferrals with automatic opening and closing
- Generation of accounting entries from electronic invoices
- Letters of intent for VAT-free purchases
- Non fiscal accounting
  - Extra-accounting balances
  - Extra-accounting movements
  - Extra-accounting budgets
- Assets and depreciation

#### **Analytical accounting**

- Multidimensional analytical accounting
- Analytical accounting by jobs

#### Commerciale

- Quotations
- Order proposals
- Order confirmations
- Setups for shipping
- Delivery notes
- Documenti di trasporto
- Provision of service
- Invoices
- Business documents print layouts customizable and context-dependent

- Business documents workflow
- Salespersons management
- Salespersons, zones and mandates
- Salespersons commissions
- Multiple price list with price selection
- Sales and purchase statistics with periods comparison

#### **Stock and inventories**

- Stock items
- Stock items configurator
- Stock item configurations customizable by parameters
- Commercial BOM for configuration costs
- Automatic configuration calculation with formulas and script

- Multi-warehouse and multi-seat
- Type of stock
- Inventories by date
- Inventory price calculation by date

#### **BOM** and production

- Bill of materials with unlimited levels
- BOM for stock items configurations
- Work cycles and phases
- Automatic calculation of bill of materials by formulas and scripts
- Production orders
- External and internal production orders

- Automatic calculation of components, cycles and phases via formulas and scripts
- Management of work centers, equipment and personnel
- MRP
- Production load diagrams
- Resource Employment Charts

#### CRM

- Contacts and leads
- Campaigns
- Task

- Activities
- Mailing lists

#### E-mail

- Email program in the management system
- Received and sent emails linked to customer, supplier and contact
- Email linked to commercial document
- Integration between email and CRM

#### **Document management**

- Link between documents and ERP records
  - Accounting operation
  - Commercial documents
  - Stock items
  - Customers, suppliers and contacts
  - Bill of materials
  - Production orders
- Document management integrated in the management system
- Customized links:
  any record of any table of
  the ERP can be linked
  to documents of the
  document management
  system

#### **Word processor**

- Graphic stock items descriptions in word processor
- Email client with word processor
- Commercial documents (offers, orders, etc.) with descriptions in word processor



## AND SO MUCH MORE...

Visit the download section of **www.x-cross.it**.

There you will always find up-to-date documentation on **X-Cross** features.







