

# UCanCode Releases Upgraded E-XD++ Visualization Enterprise Suite V33.01 -- 2023

## Volume.1

--The most important "**Main Release**" with 100% VC++ / .NET Source  
Code!

("The only Visualization HMI and SCADA , UML, GIS, SVG, Vector  
Graphics Source Code Kits that provides full source code of components  
for .NET/VC++ and ActiveX in a single package!")

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### 2023 (New Update)

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**2023 . 01, HongKong**, UCanCode Software announces it's market leading  
Visualization **VC++** / .NET source code kit - E-XD++ Visualization Enterprise  
Edition V33.01 with tons of new features. This is a maintenance release that  
includes many new features, new samples, bug fixes and more. With this release,  
we had updated all the advance solutions.

**HongKong, 2023**--UCanCode Software, Inc providing reusable software  
**Visualization components** and services that facilitate Visualization application  
development, today announced the release of E-XD++ Enterprise Edition V33.01,  
its world-leading line of Flow/Diagram, HMI, UML, GIS, CAD, Vector Graphics  
Drawing and Printing components for Microsoft Visual Studio 2022 developers,  
it is full compatible with Visual Studio 2023, and it also supports Windows 64  
bits. This is the long awaited release that contains many powerful new features  
from the last release! It is also the best release from UCanCode software!

### **Powerful, flexible, and easy to use Visualization Source Code Components.**

Powerful and flexible enough to create any vector graphics based diagrams exactly the way you want them to appear. So easy to use that you will be able to prototype your application in just a few days.

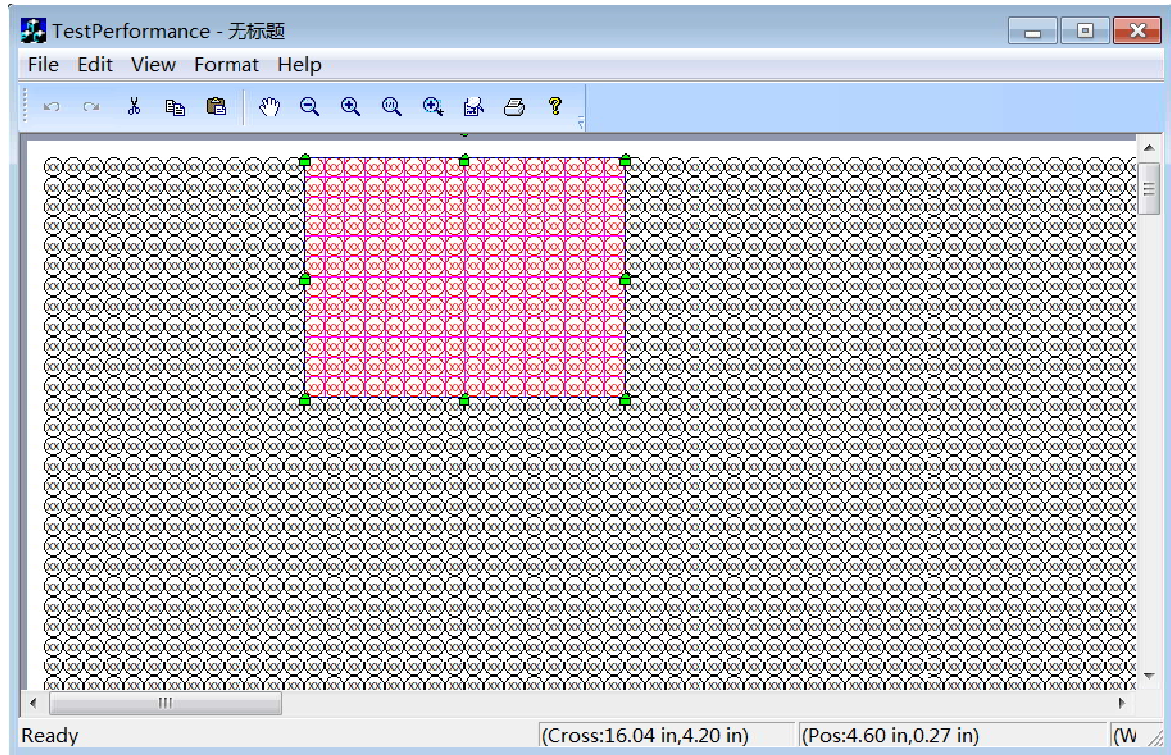
### **Feature rich.**

With features such as automatic layout, multiple layers, collapsible sub-graphs, snap-to connection points, XML, SVG, and more, Have the power and flexibility you need to create sophisticated diagrams, quickly and easily. Events such as click, double-click, hover, select, rubber-band select, copy, delete, resize and move are supported. Operations such as drag-and-drop, unlimited undo/redo, and clipboard operations are common and complex, and are expected by today's sophisticated users.

**Note:** The biggest improvement of 2023 XD++ is the addition of more than 10 Com controls, which allow you to call the consistent functions of the XD++ C++ library on .NET, C#, Delphi, Java, Web and other platforms. All functions can be customized and provide source code.

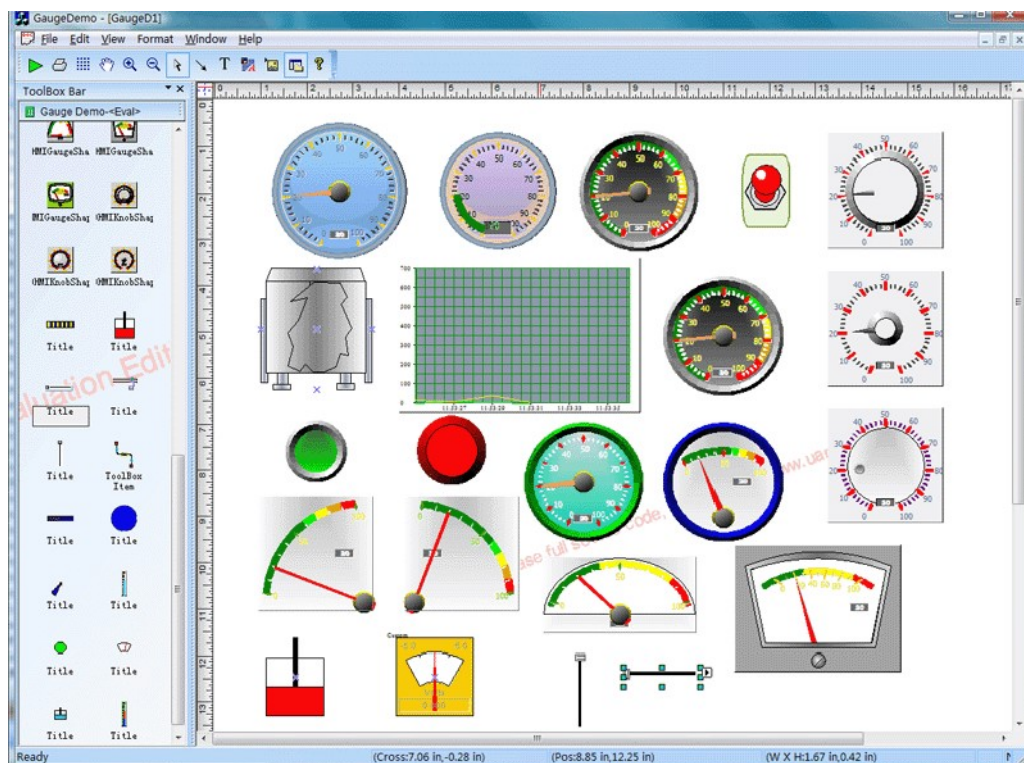
### **1. High Speed + High performance (Full VC++/MFC Source Codes):**

With this release, we had rewritten the core source codes, now it works with more best speed (See sample TestPerformance with more than 60,000 ellipses + texts within one canvas).



It can be zoomed or scrolling very quickly.

More than 15 kind of Gauge Control had been added with this release, and all of it's features can be full customized. If you need more styles, it will also be very easy to create a new one, as below:



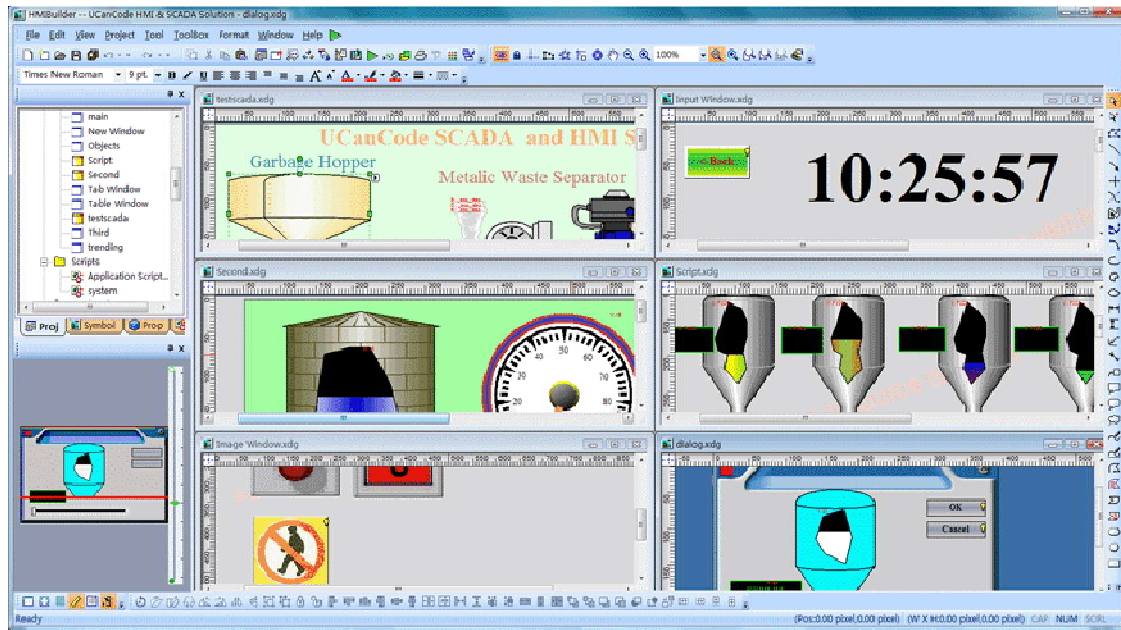
With latest V2023, a set dialog is added, with this dialog, you can modify any features of any gauge and chart.

## **2. New updated HMI & SCADA Solution**

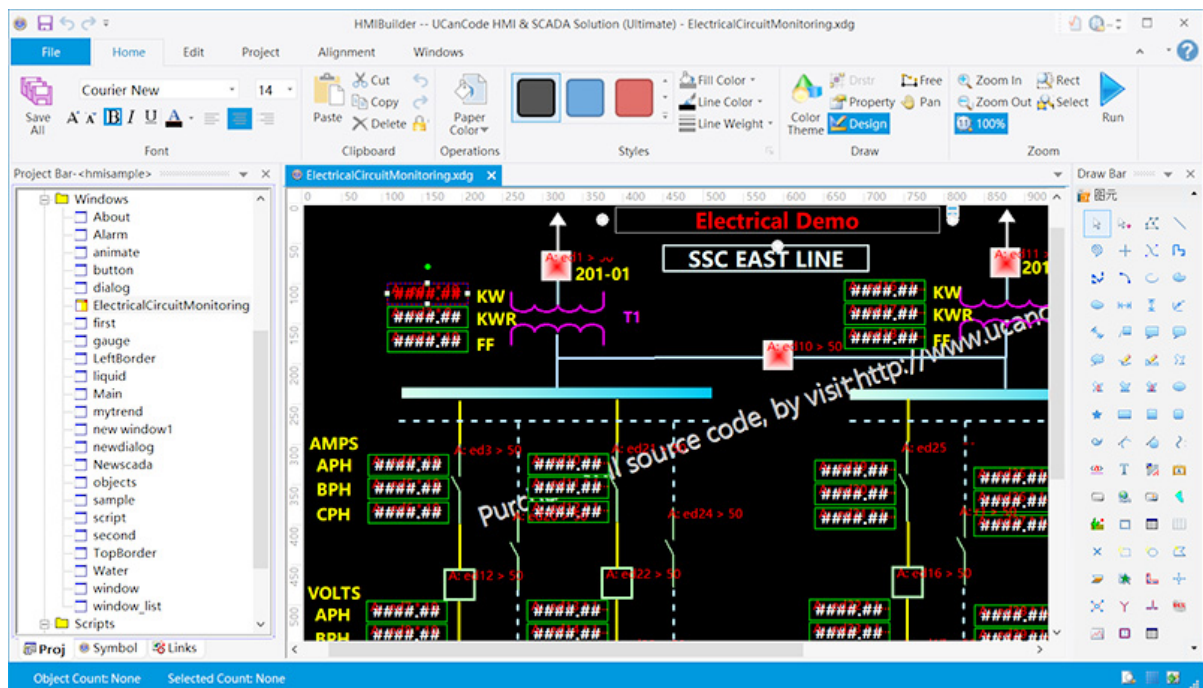
This HMI & SCADA Solution is the flagship solution of E-XD++ Suite, this new release contains tons of new features, and fix a few bugs that exist with before release, a new sample is added. Now it will be the best choice for building your own HMI & SCADA Project. with this solution's VC++ Source Codes, it will saves you over 70%-80% time for building a very professional HMI and SCADA Application Platform:

- 1).** Project creating and management.
- 2).** Multiple screen creating and building.
- 3).** it supports JavaScript and VBScript, a very professional script editor is added.
- 4).** HMIBuilder and HMIPlayer, HMIBuilder is used to design any HMI screens and write scripts, HMIPlayer is used for application running.
- 5).** It supports play Flash's SWF file.
- 6).** It supports play Animate GIF file.
- 7).** Add supports TCP/IP, Modbus RTU, OPC 1.0, 2.0 supports.
- 8).** Can be runned with WinCE.
- 9).** Can be reviewed with Linux.
- 10).** Supports JScript / VBScript.
- 11).** Math expression.
- 12).** GDI+ Transparent, PNG Transparent.
- 13)....**





New office 2023 Ribbon UI is used for HMIBuilder, as below:



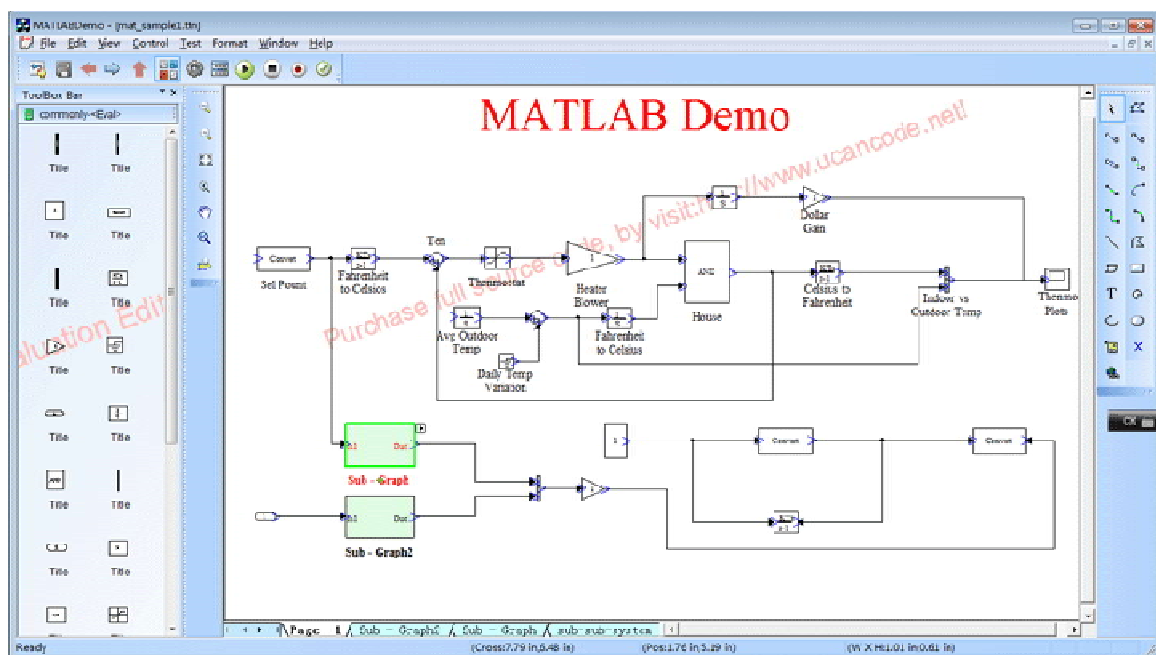
### 3. New updated MATLAB Visualization Solution (Full VC++/MFC Source Codes):

MATLAB Simulink® is an environment for multidomain simulation and Model-Based Design for dynamic and embedded systems. It provides an interactive graphical environment and a customizable set of block libraries that let you design, simulate, implement, and test a variety of time-varying systems,

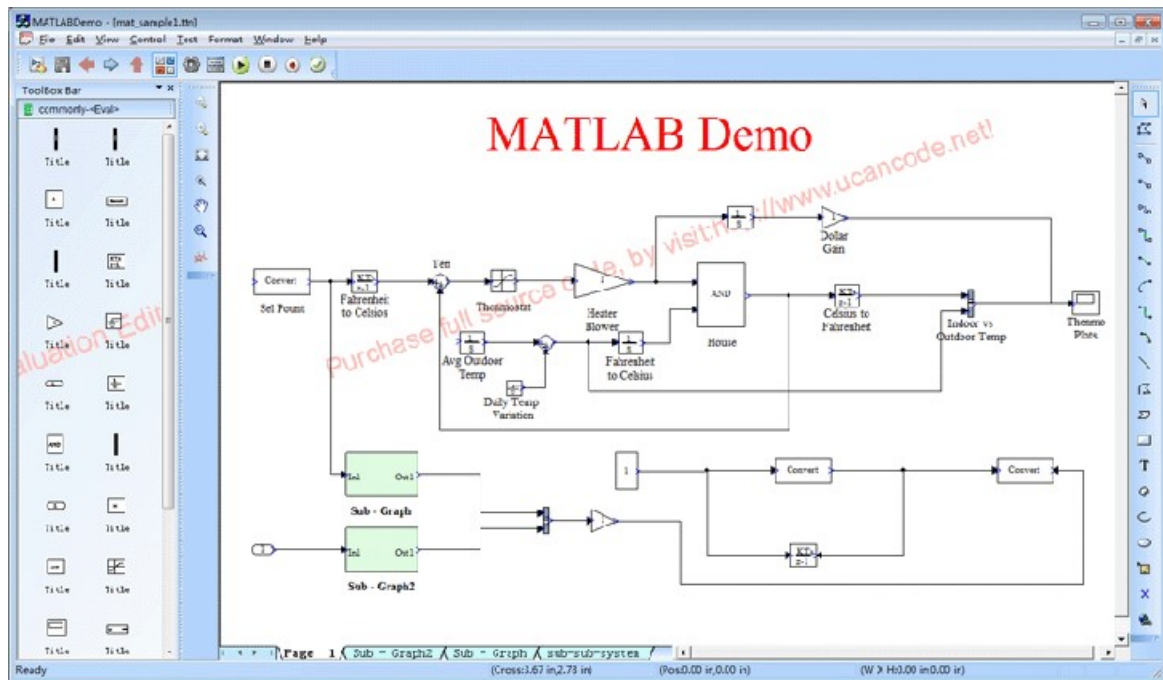
including communications, controls, signal processing, video processing, and image processing.

The MATLABDemo sample demonstrates how to use E-XD++ to build a matlab like diagramming application with complex diagram drawing and layout, as below. With matlabdemo, you build models by dragging and dropping blocks from the library browser onto the graphical editor and connecting them with lines that establish mathematical relationships between the blocks. You can arrange the model by using graphical editing functions, such as copy, paste, undo, align, distribute, and resize.

This is the first diagramming component that supports link to link line feature.



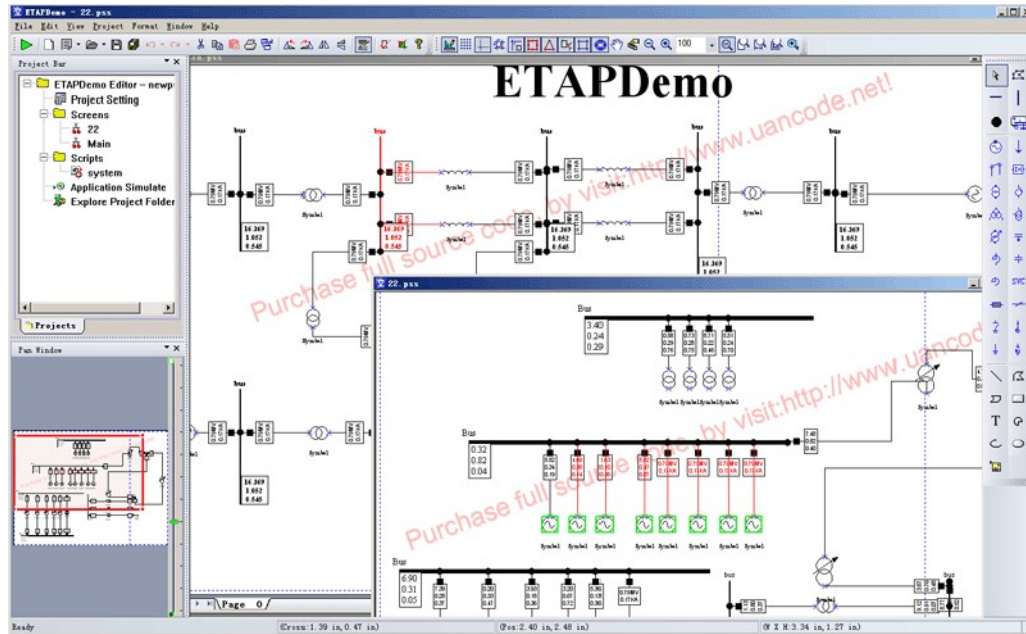
And new version of MatlabDemo will include sub - graph feature, as below:



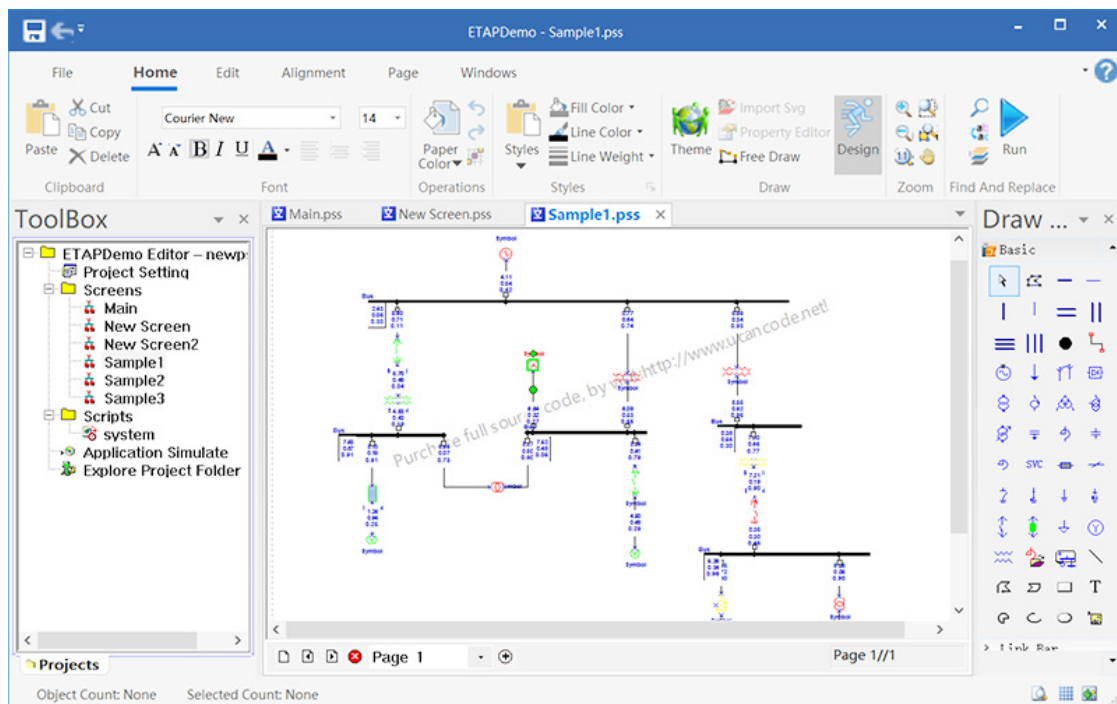
#### 4. New updated ETAP Electrical Power System Visualization Solution (With 100% VC++/MFC Source Codes):

ETAP is a fully integrated AC and DC electrical power system analysis tool. Engineers use ETAP in thousands of companies and electric utilities worldwide in the design, analysis, maintenance, and operation of electrical power systems.

The ETAPDemo sample demonstrates how to use E-XD++ to build a ETAP like electrical power system analysis tool application, as below. With ETAPDemo , you build models by dragging and dropping blocks from the library browser onto the graphical editor and connecting them with lines that establish mathematical relationships between the blocks. You can arrange the model by using graphical editing functions, such as copy, paste, undo, align, distribute, and resize, etc. Then you can simulate it.

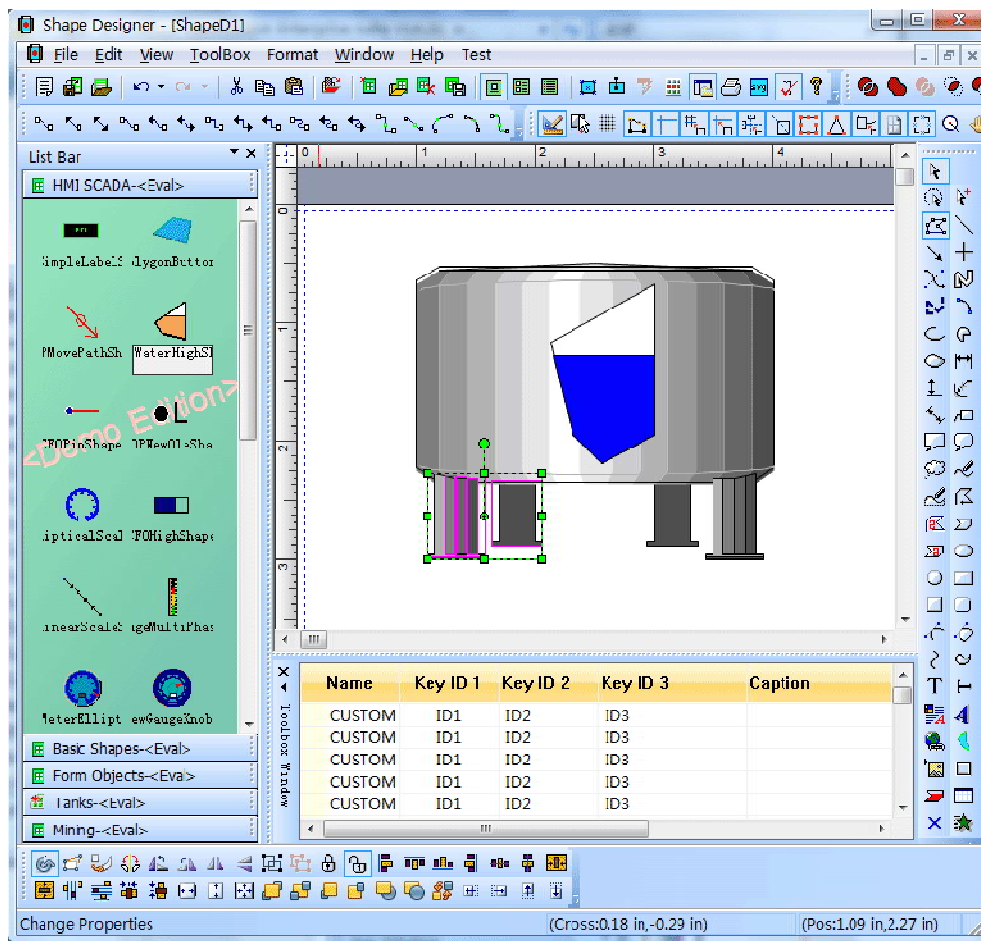


Also with Office Ribbon UI, as below:



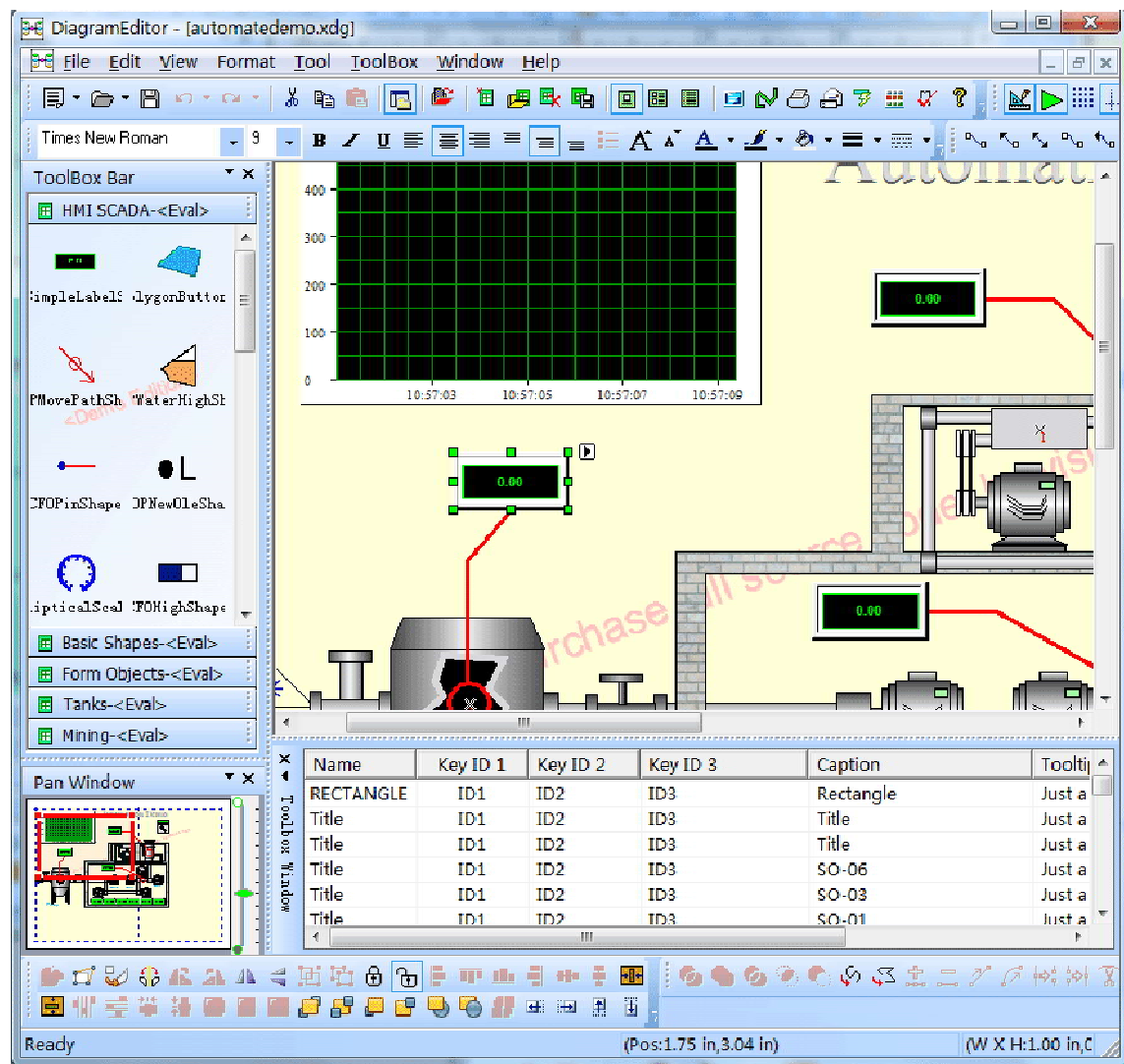
You can use mouse to draw symbols multiple times, and when you right click mouse, this direction of this symbol will be switched.

5. New updated ShapeDesigner, with this new shapedesigner, tons of new features are added, it will be the best tool for creating any kind of shapes (HMI and SCADA Shapes, GIS Shapes, Flow Chart Shapes, Network diagram shapes etc), it supports Multiple status building, animate, path moving, SVG Importing ...:

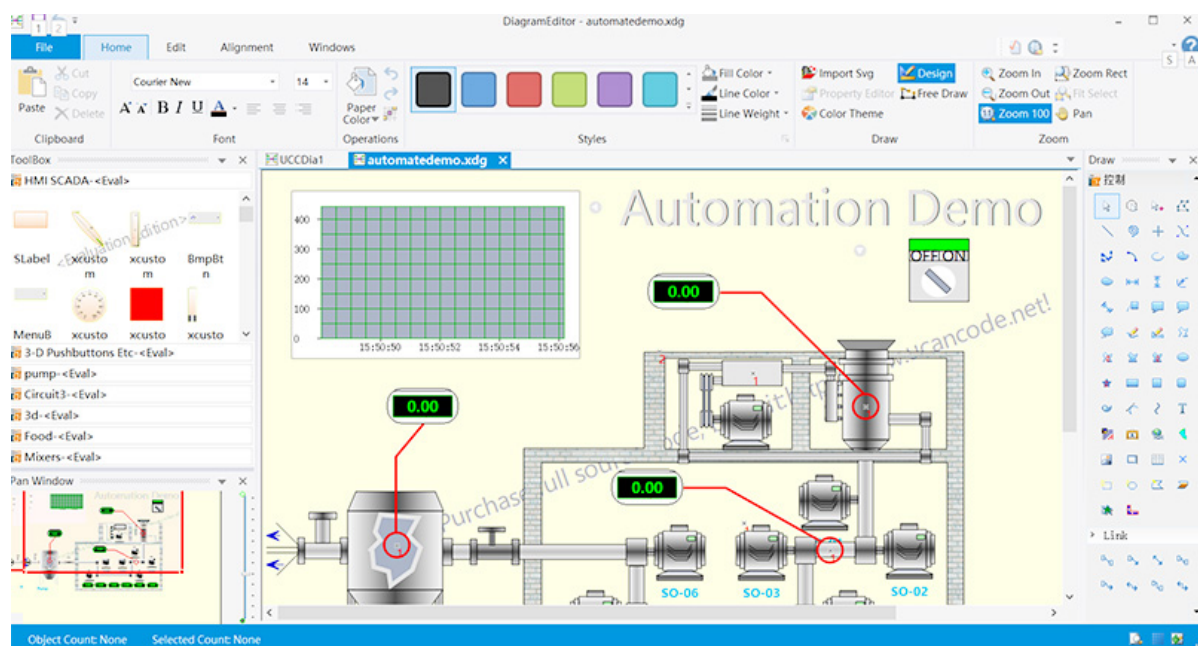


6. New updated HMI and SCADA or GIS Diagram screen Editor, with this editor, it will helps you create any cool HMI screens, or diagrams, as below:

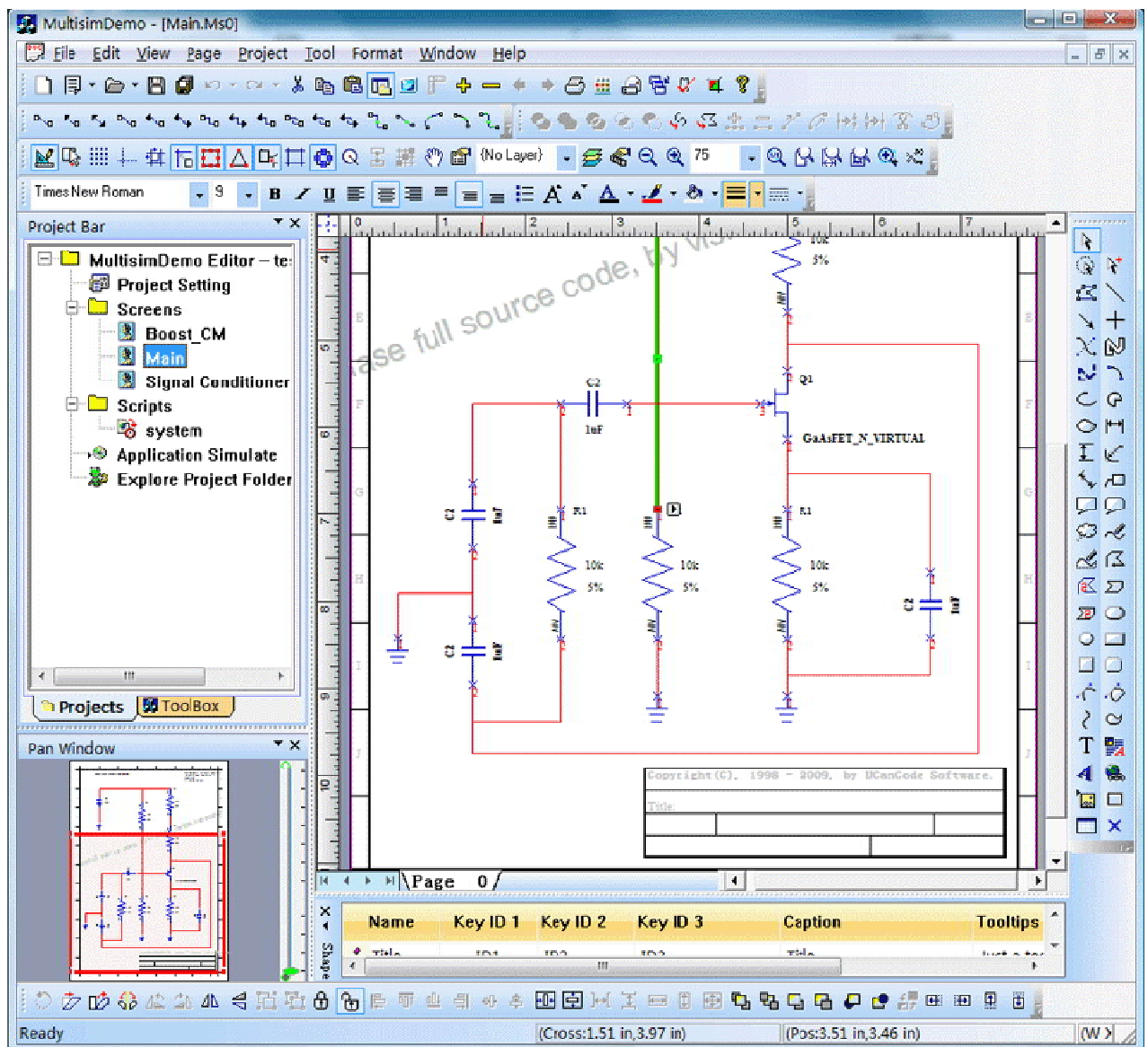




New office Ribbon UI is also shipped:

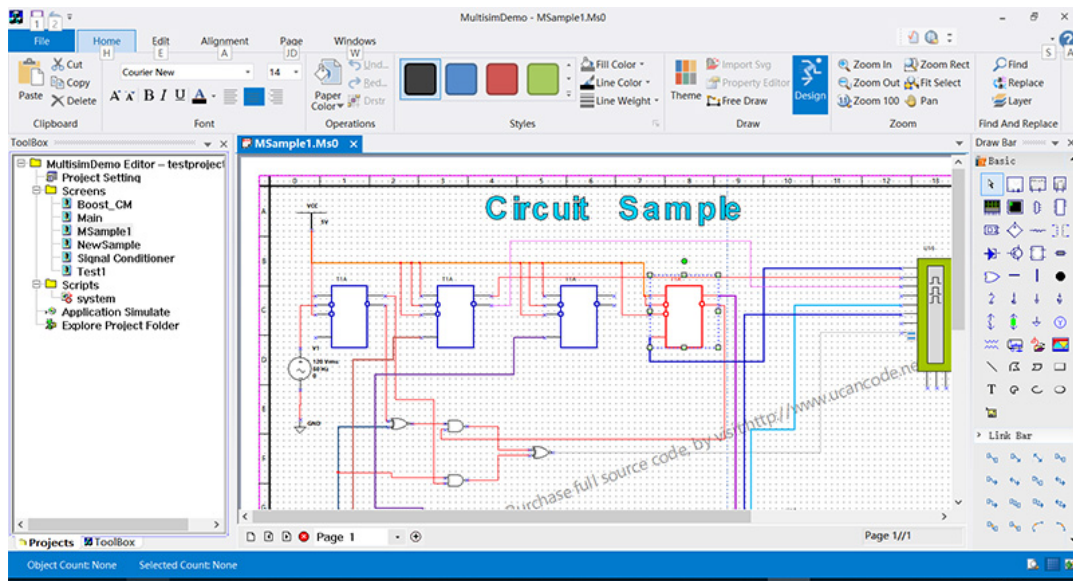


## 7. New updated Multisim Electronic Design and Simulation Solution:



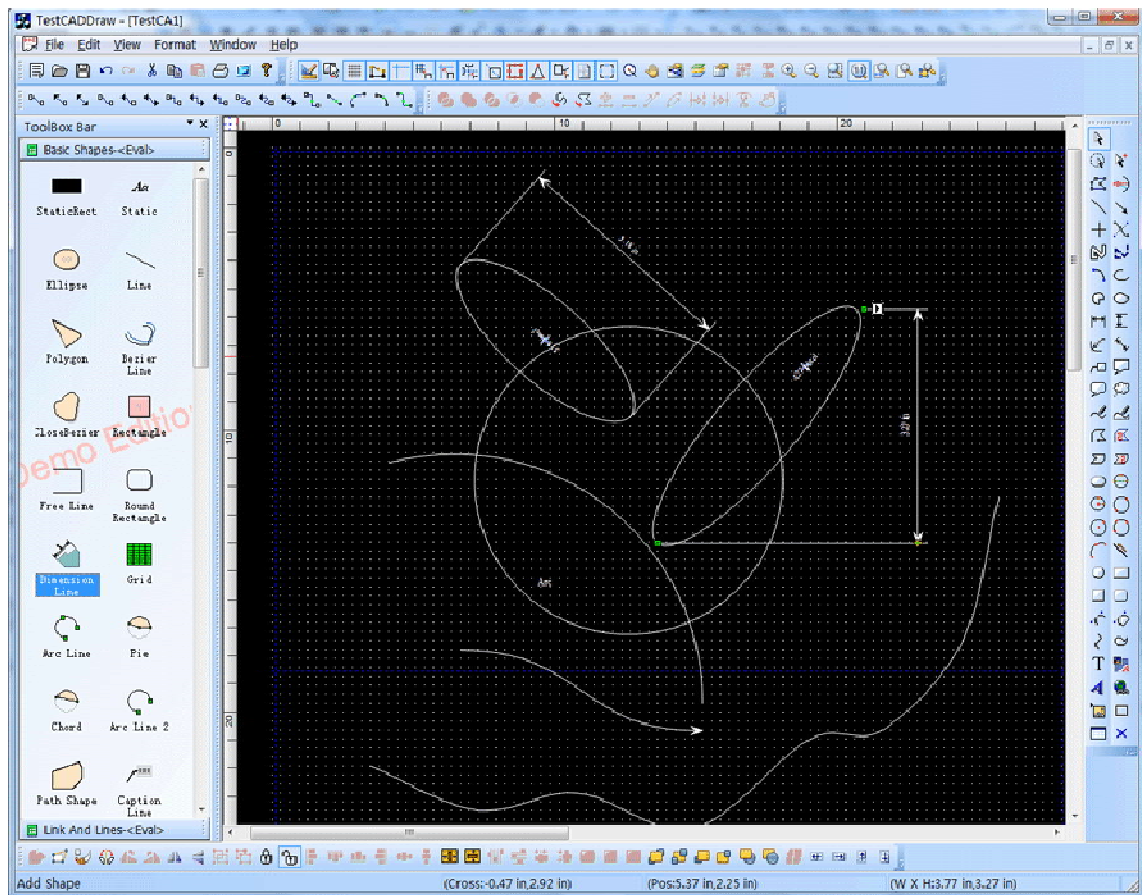
Office Ribbon UI is also shipped:





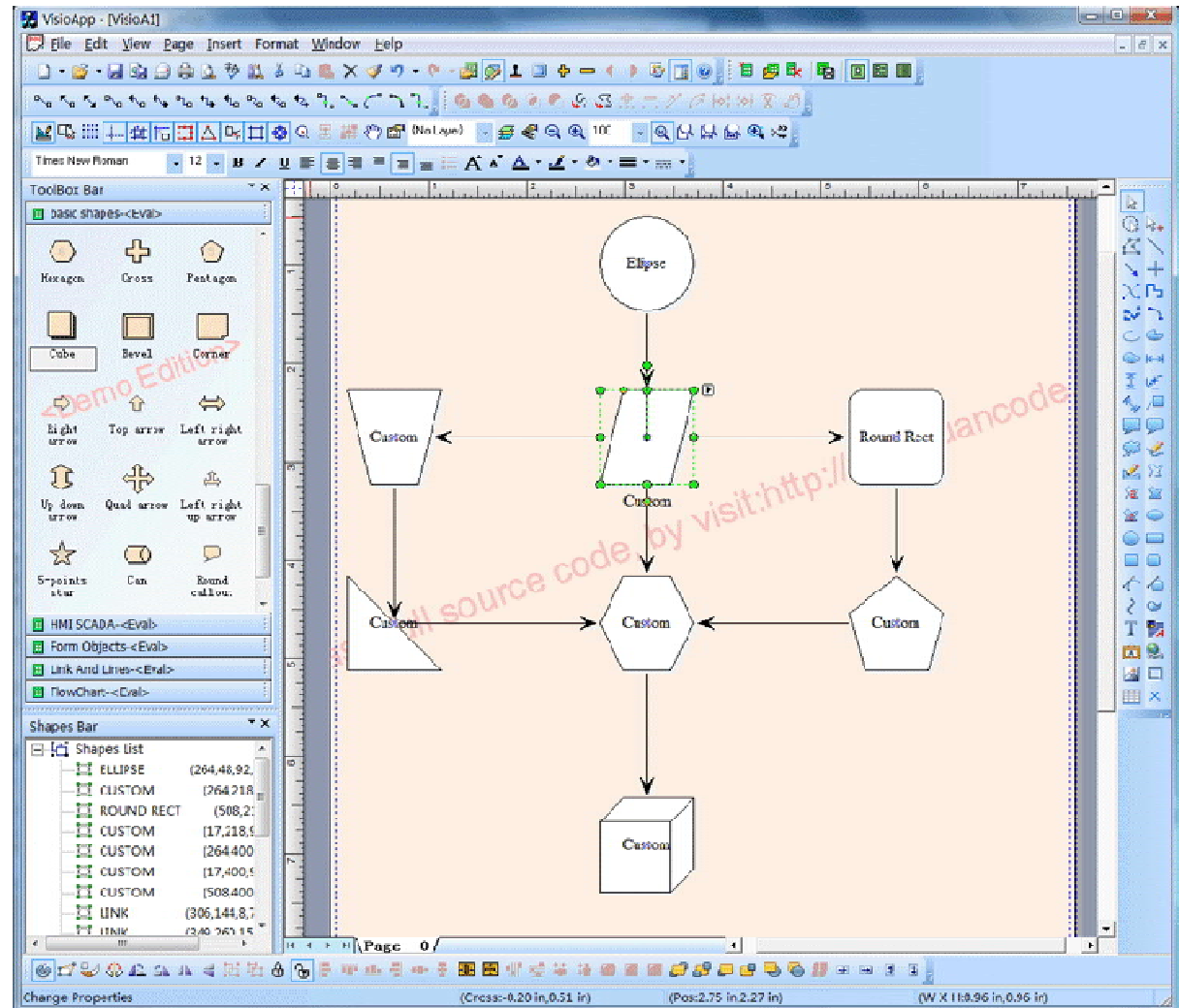
Added more than 8,000 new electrical primitives of various types, and improved the drawing effect. Support intelligent wiring and intelligent layout.

#### 8. New updated Advance CAD drawing and printing solution:

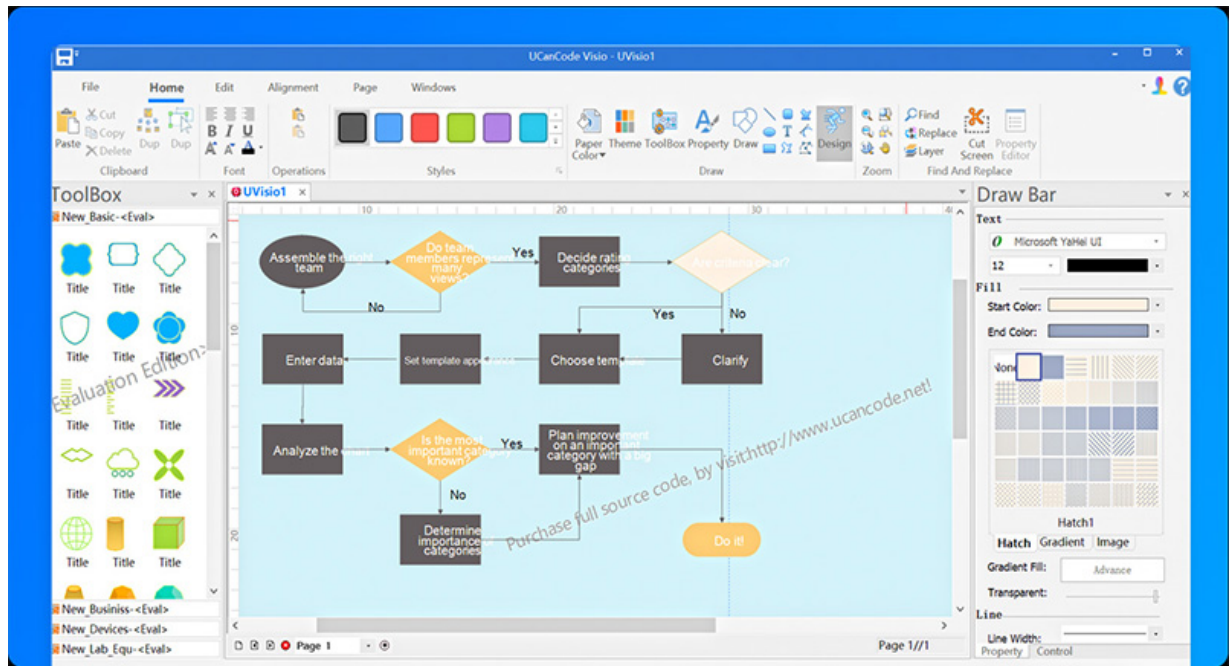


(Fix a few bugs and adding new features on selecting, by adding DXF loading and DXF Exporting features, SVG import and Export feature is also validate).

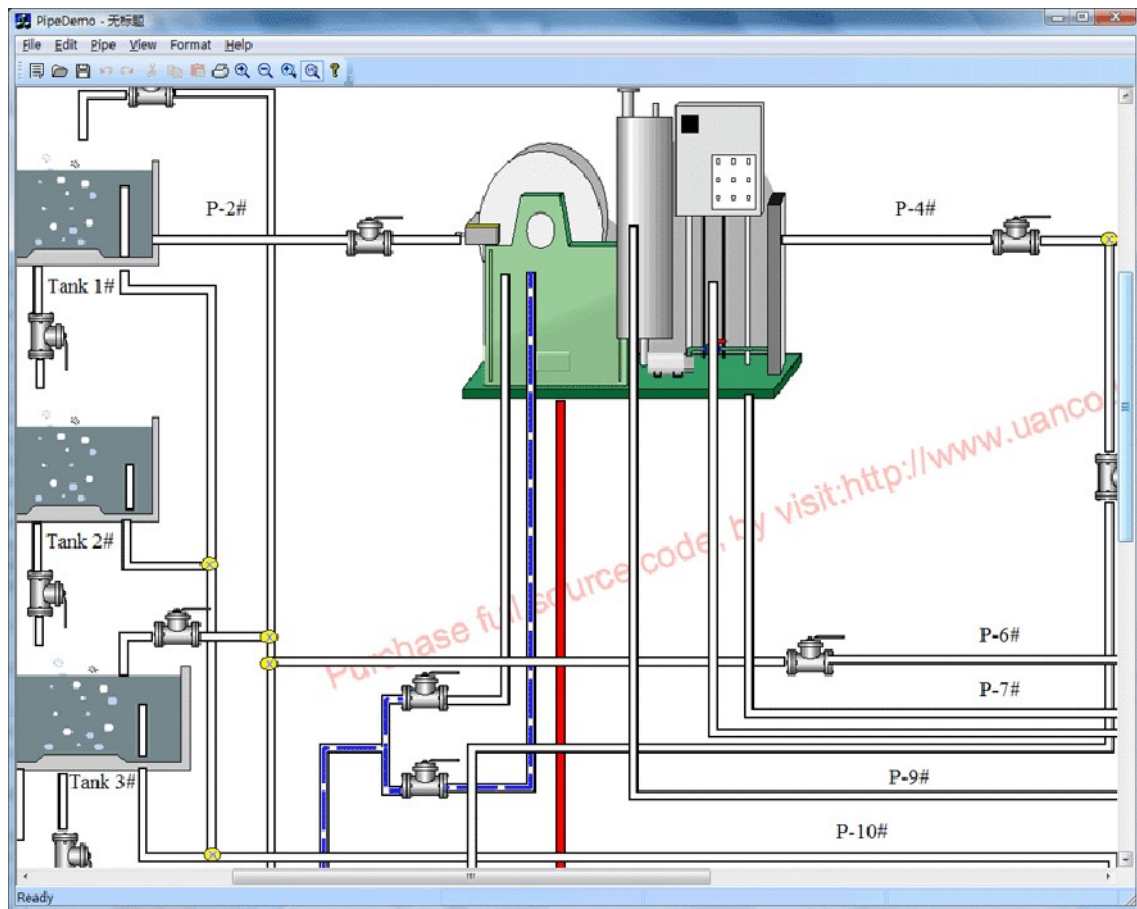
9. New updated Visio like sample with tons of new features:



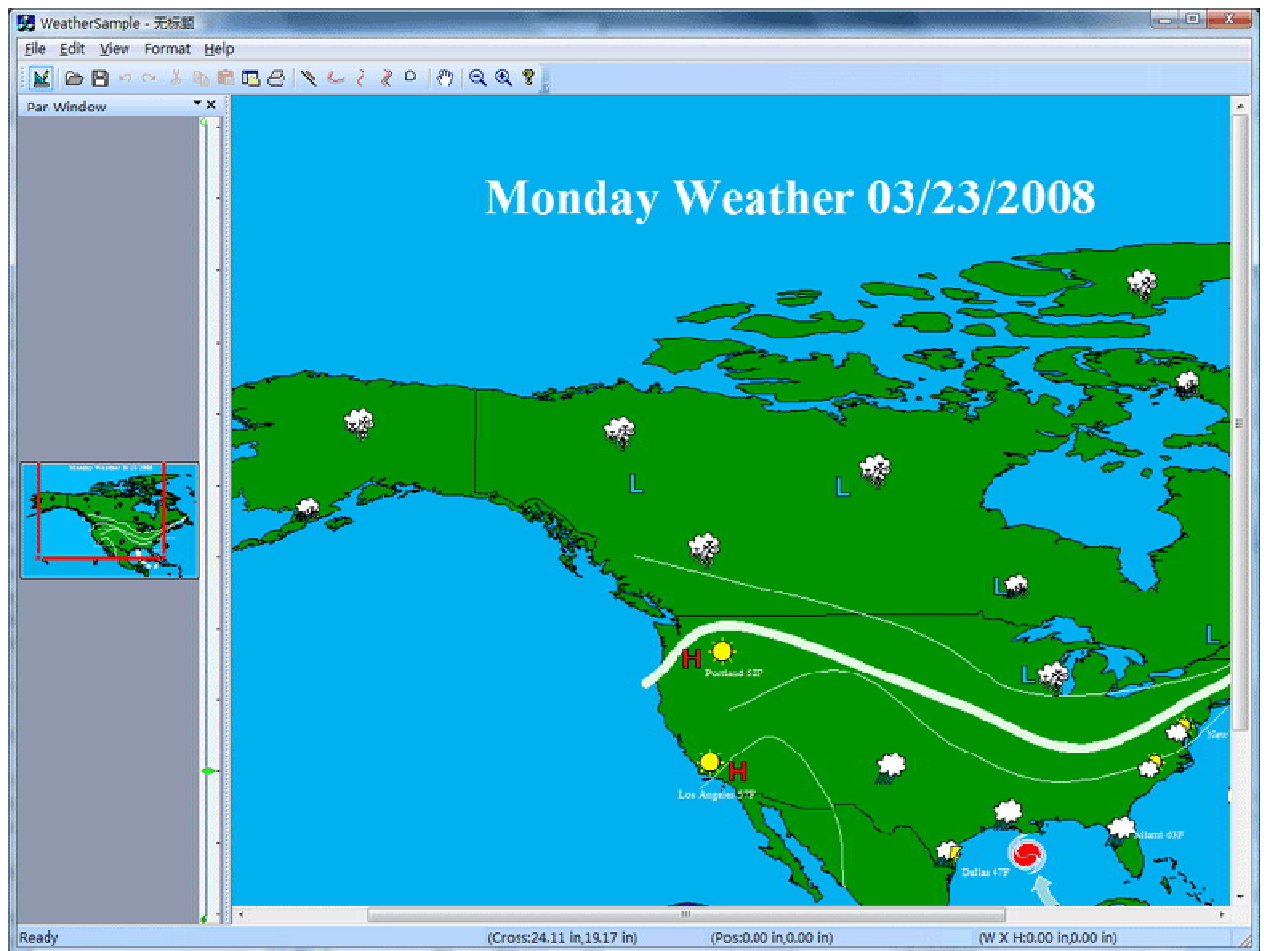
A true Microsoft Visio Replace Free software is also shipped, as below:



10. New updated pipe simulation sample:



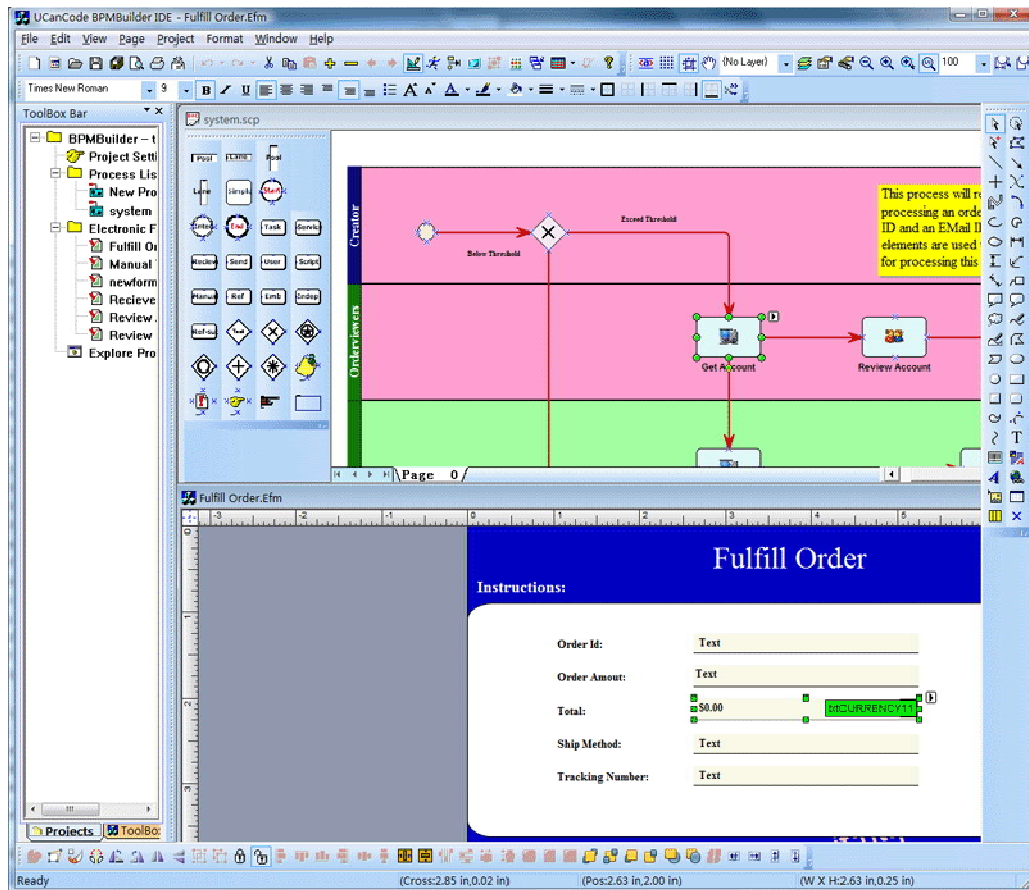
11. New updated weather sample:



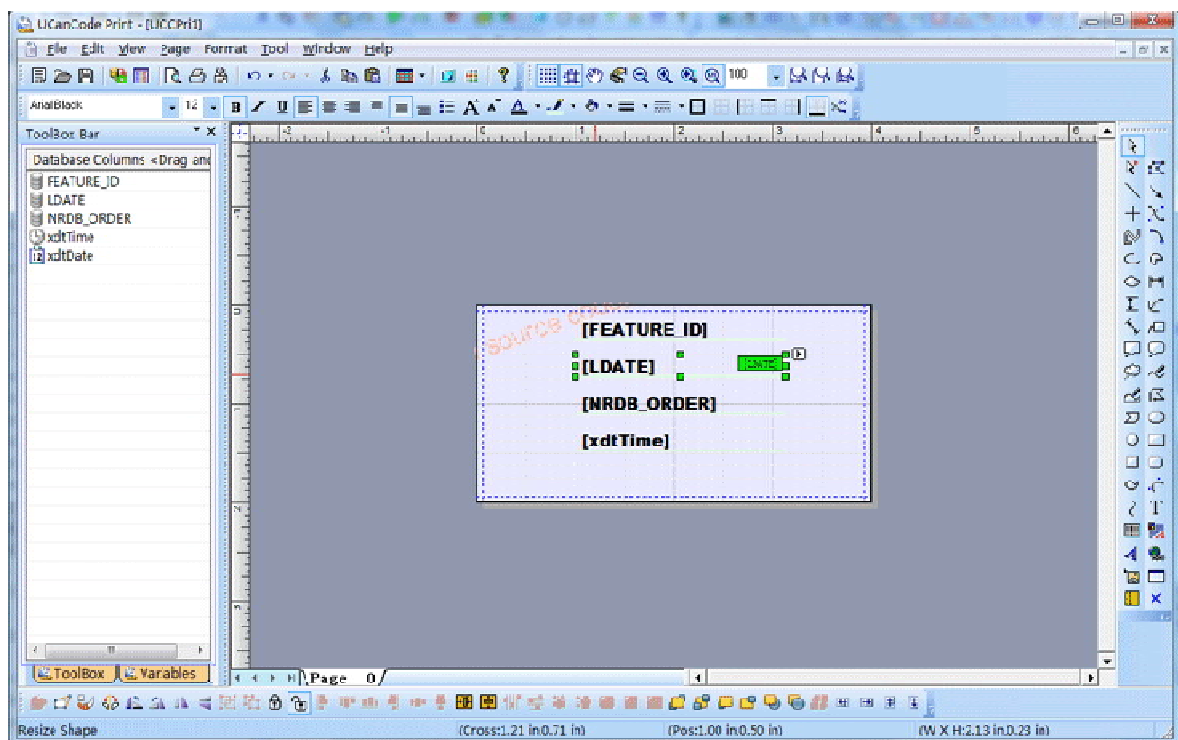
**12.** New improved BPMN and Electric - Form Solution, it supports:

- 1). Place BPMN Workflow and E-Form within the same project.
- 2). It supports workflow diagram creating.
- 3). It supports electric - form design.
- 4). Each node of BPMN workflow can connect to an exist electric - form file.
- 5)...

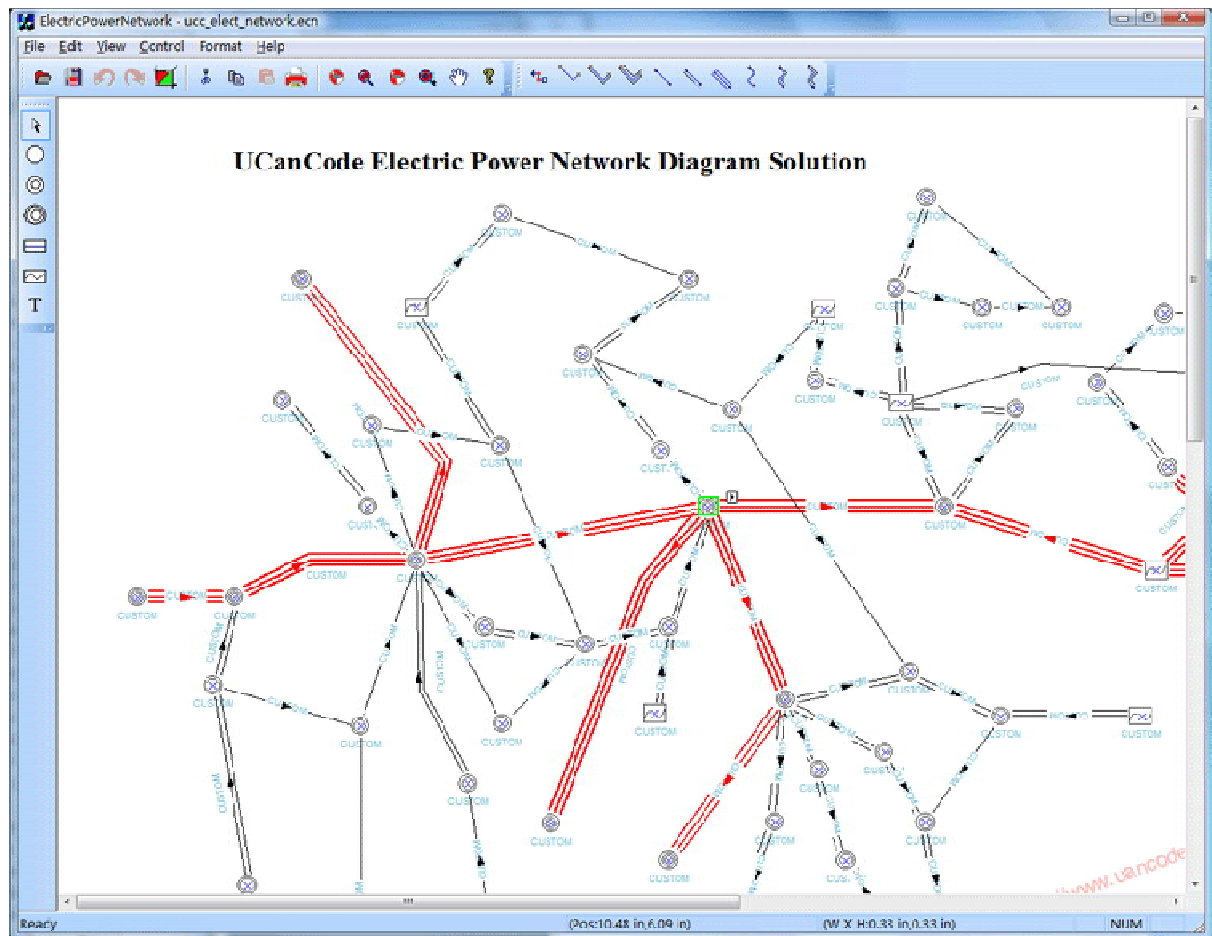




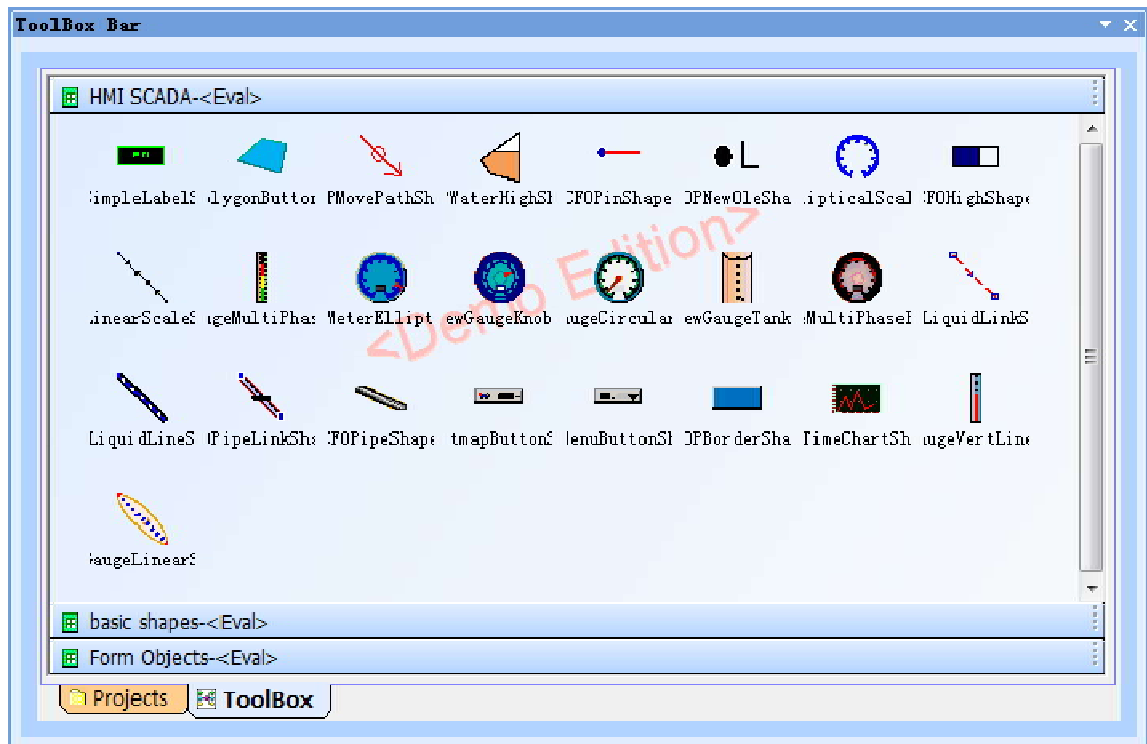
13. New updated report and label design and print solution, it full supports database drag - drop and printing.



14. New updated electric power network diagram sample:

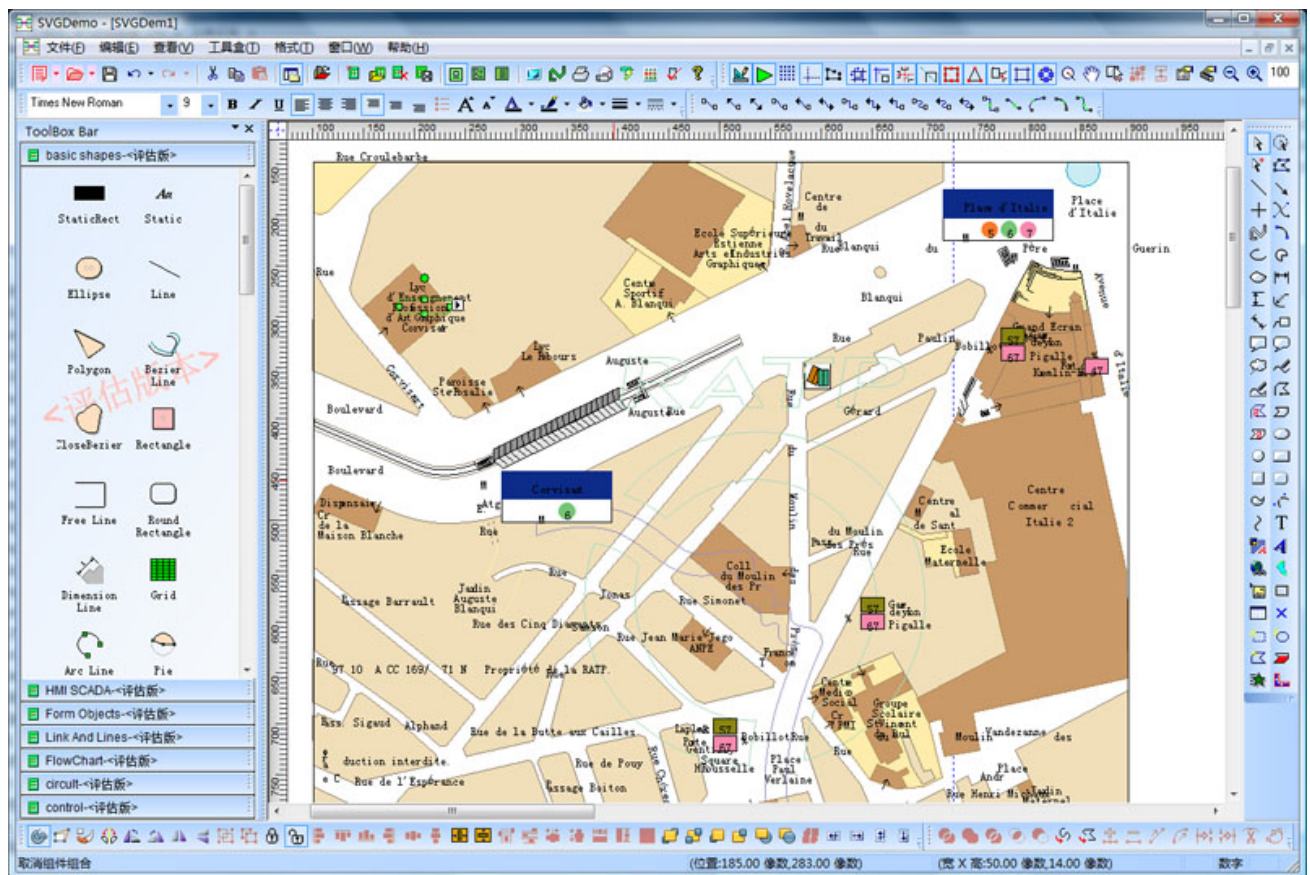


15. Tons of new shapes for creating and building HMI & SCADA Screens:



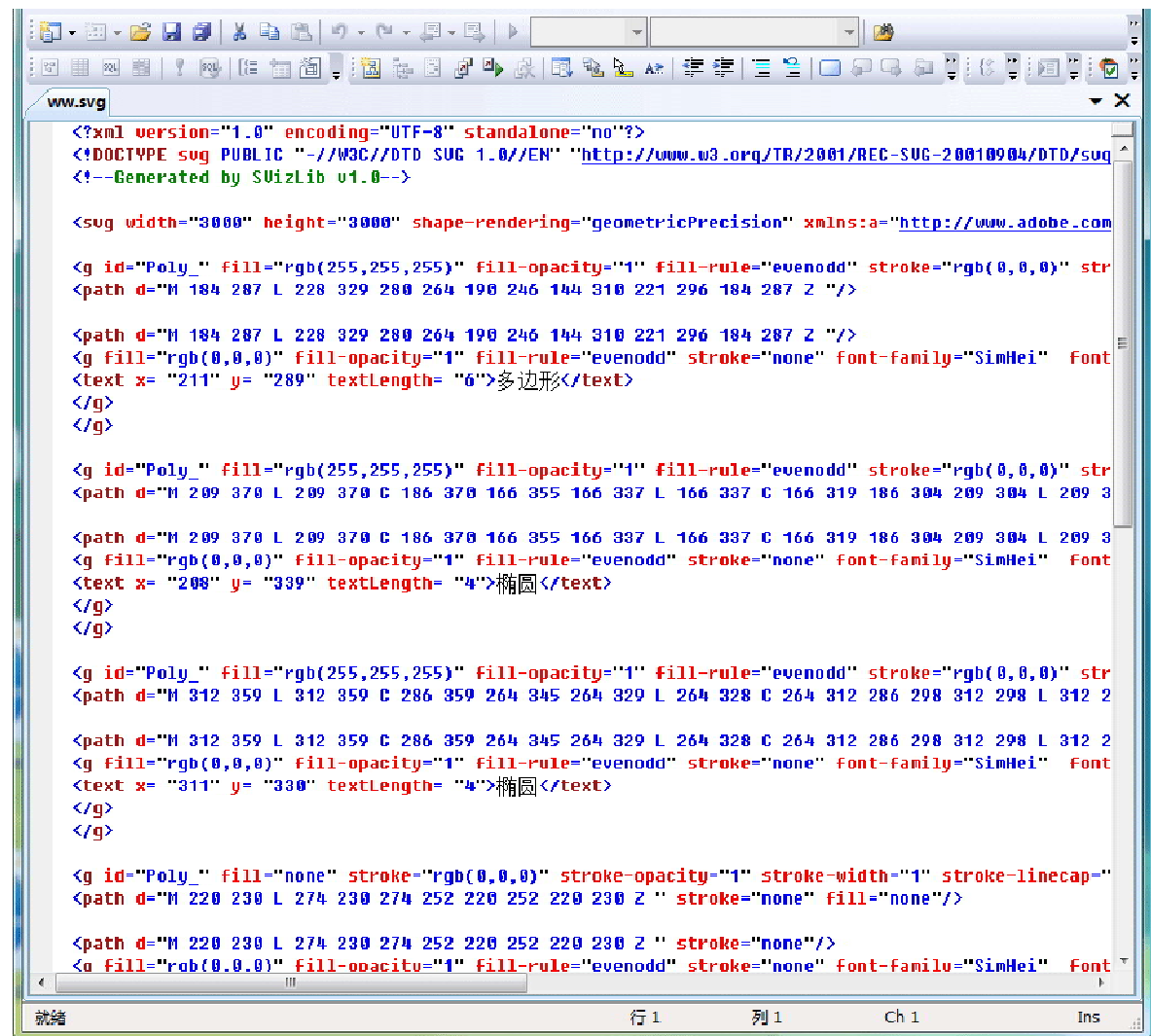
16. Grid and real - time line chart is added:

17. Any SVG file can be imported with E-XD++ now, as below:

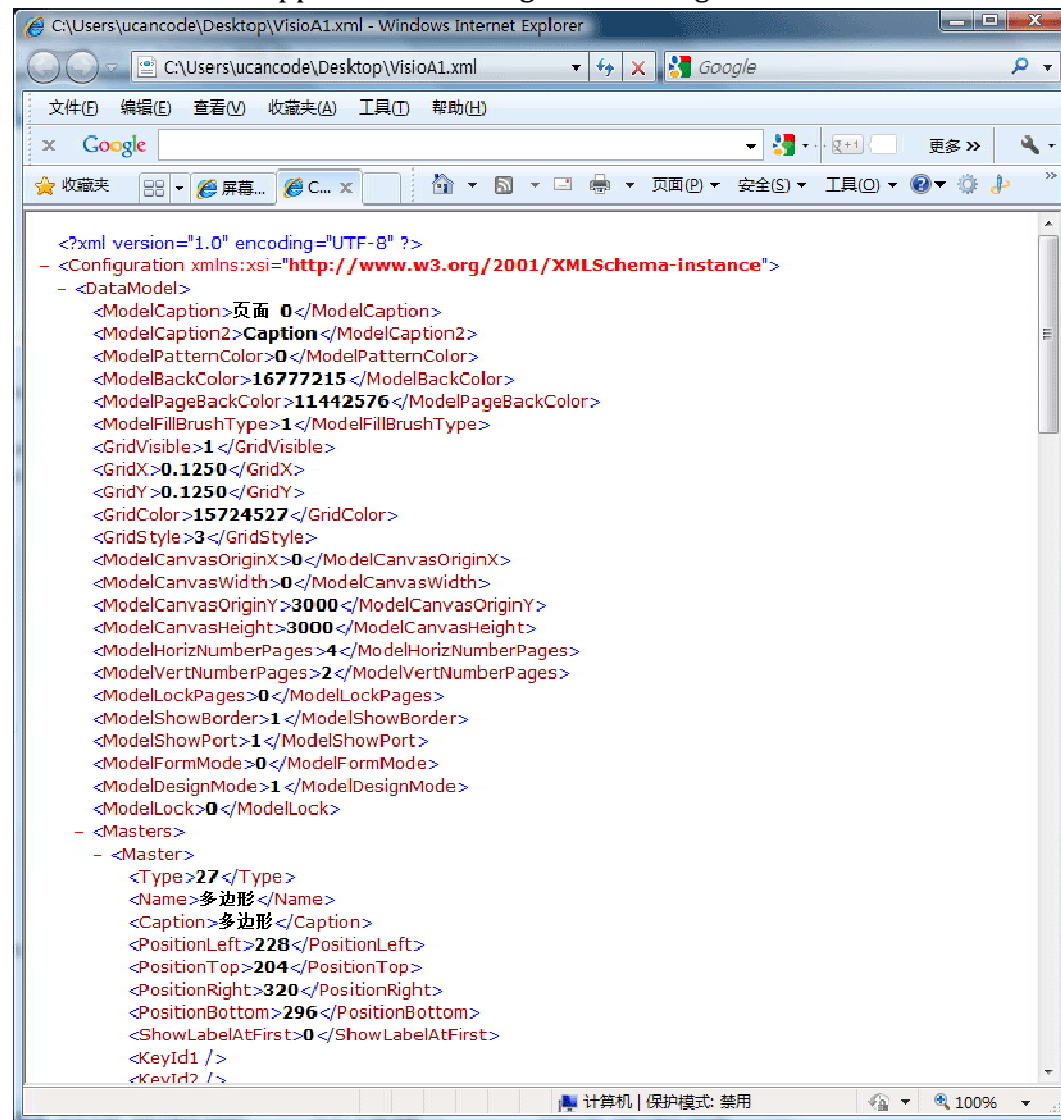




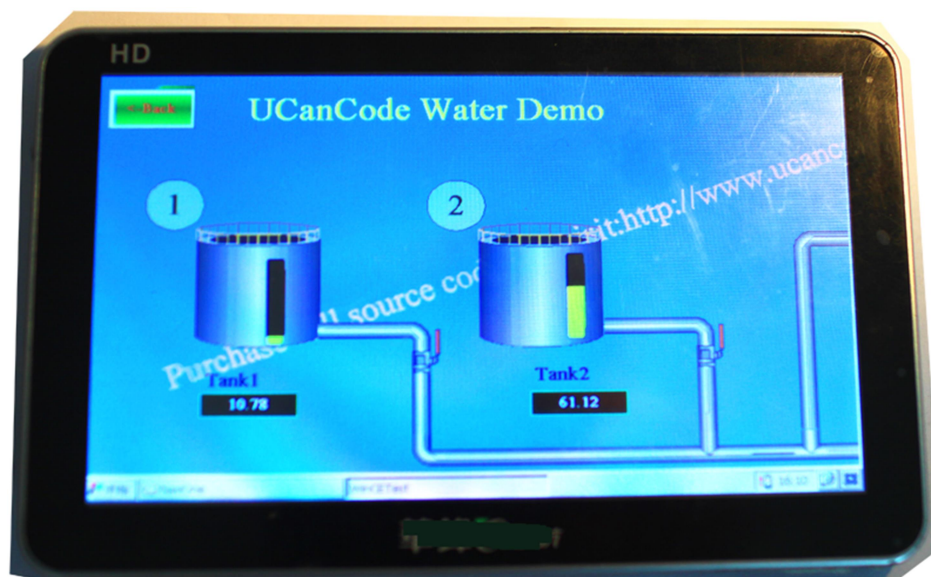
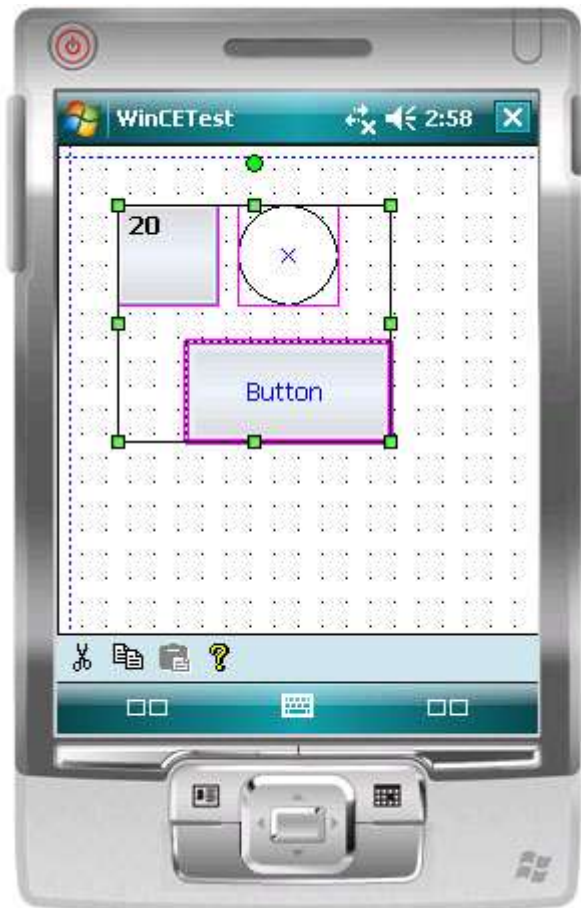
And it also supports SVG Exporting.



## 18. Now E-XD++ supports XML Saving and Loading.



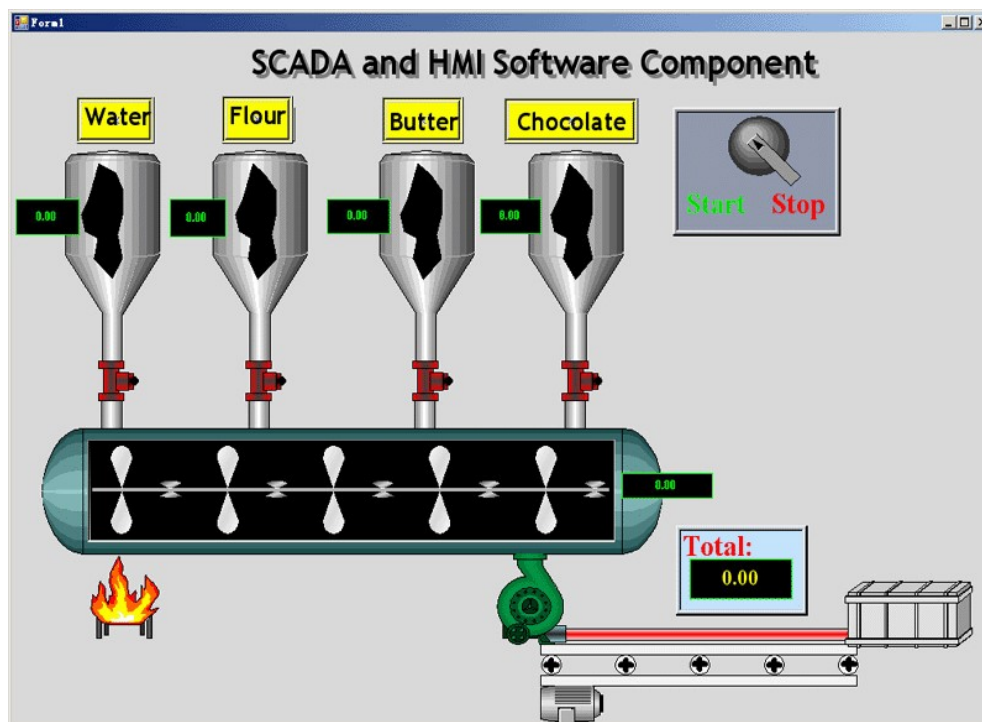
## 19. E-XD++ for WinCE is released, almost 90% features of Basic E-XD++ had been saved.





## 20. New .NET HMI & SCADA Solution:

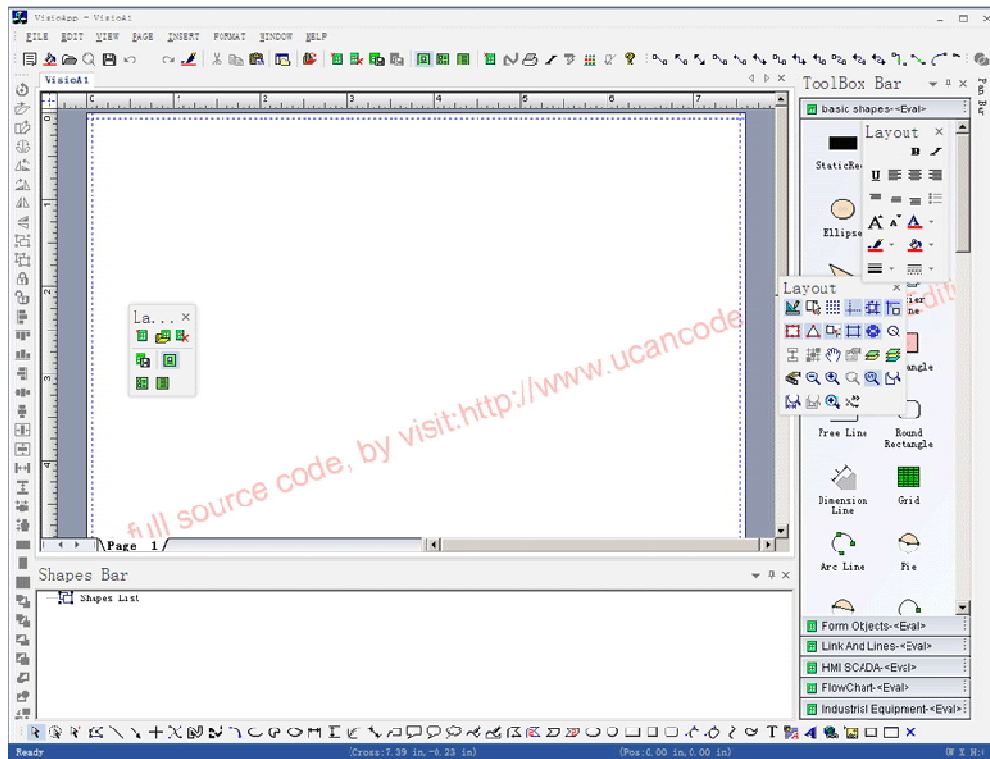
The new HMI OCX C# Sample is shipped, this is the OCX Player of HMIBuilder project, you can use HMIBuilder to create HMI Project and then showing it with any .net project (C# Development) or web project, it can be used with any .NET platforms (You can find these samples within file folder: HMI\_OCX):



## 21. New updated UML Solution, now it ships with UML Sequence Diagram Solution and UML Sequence Diagram OCX Solution, as below:

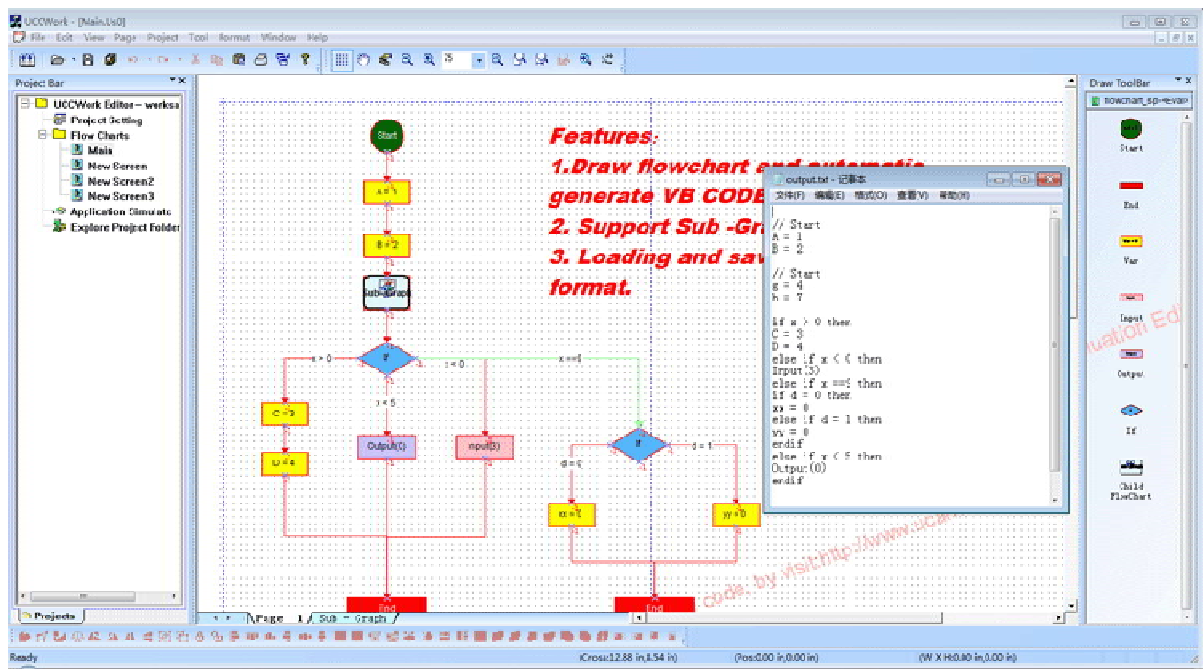


**23.** A new sample is added that showing how to use a BCGSoft' s Controlbar to works with E-XD+ +, as below:

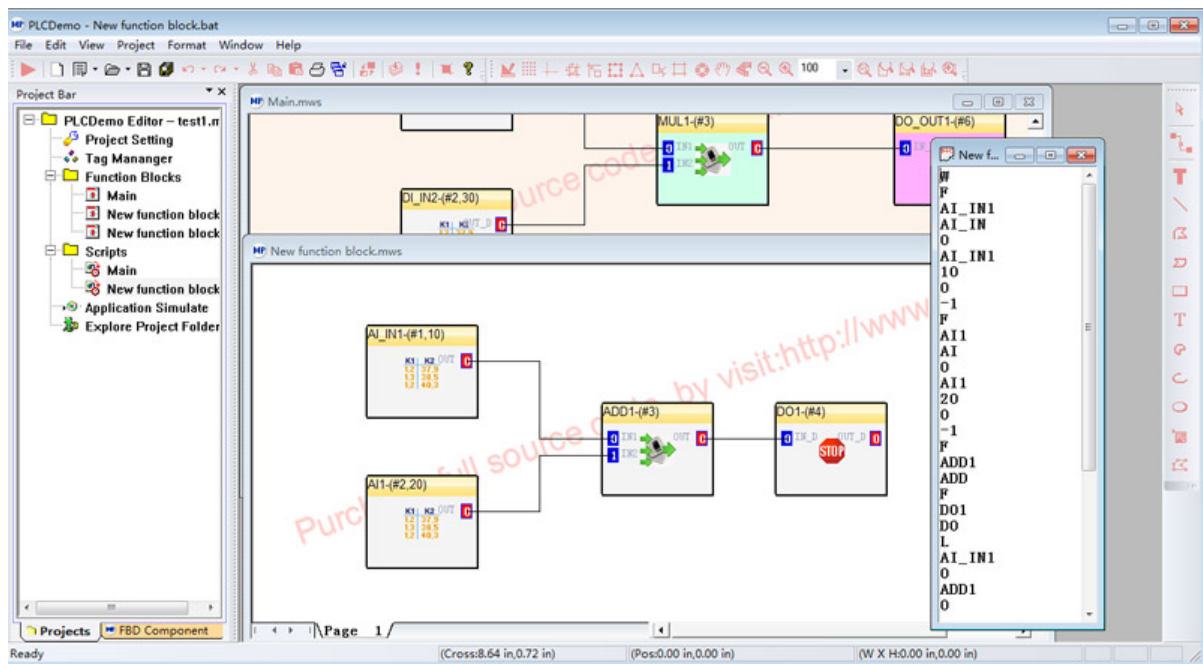


**24.** A new sample is added on showing how to build flow chart application, this application can generate script code from flow chart, as below:



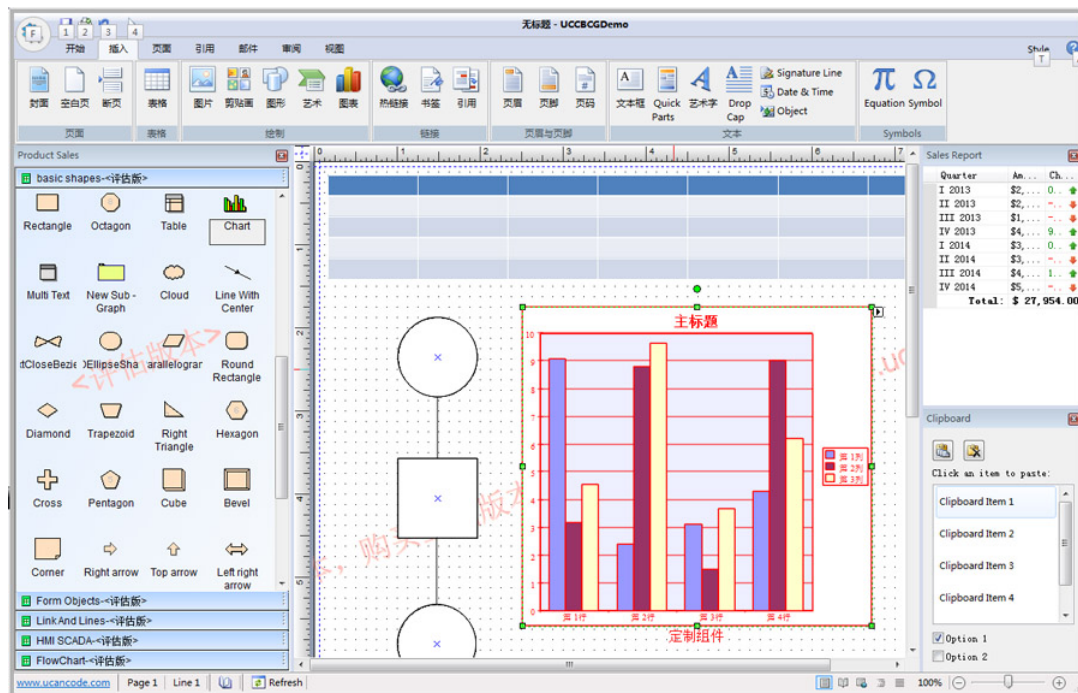


**25. Add a new PLC Solution, it can create FBD Diagram and Generate PLC Code:**



**26. A new E-XD++ Sample that build with BCGSoft's Controlbar as it's GUI is shipped, as below:**





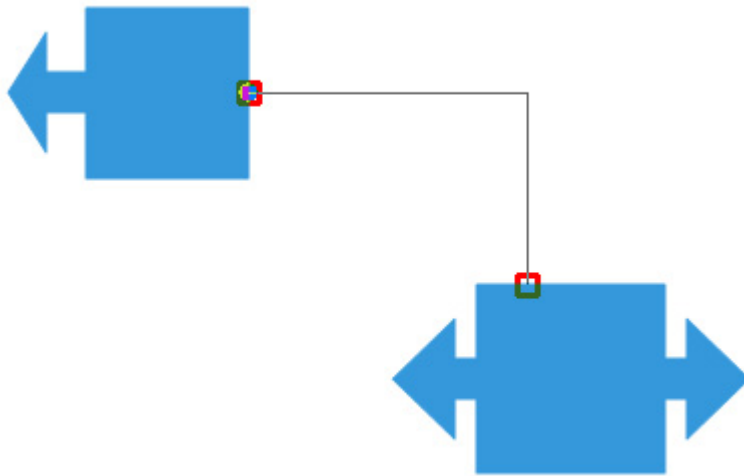
27. More than 40 new other features.

28. More than 30 bugs had been fixed from the old edition.

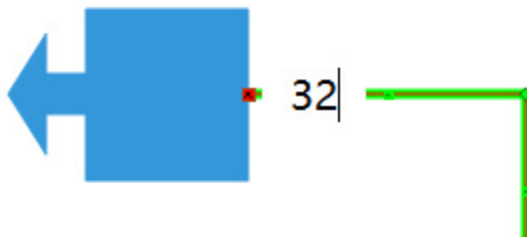
29. Quick drawing feature is added:



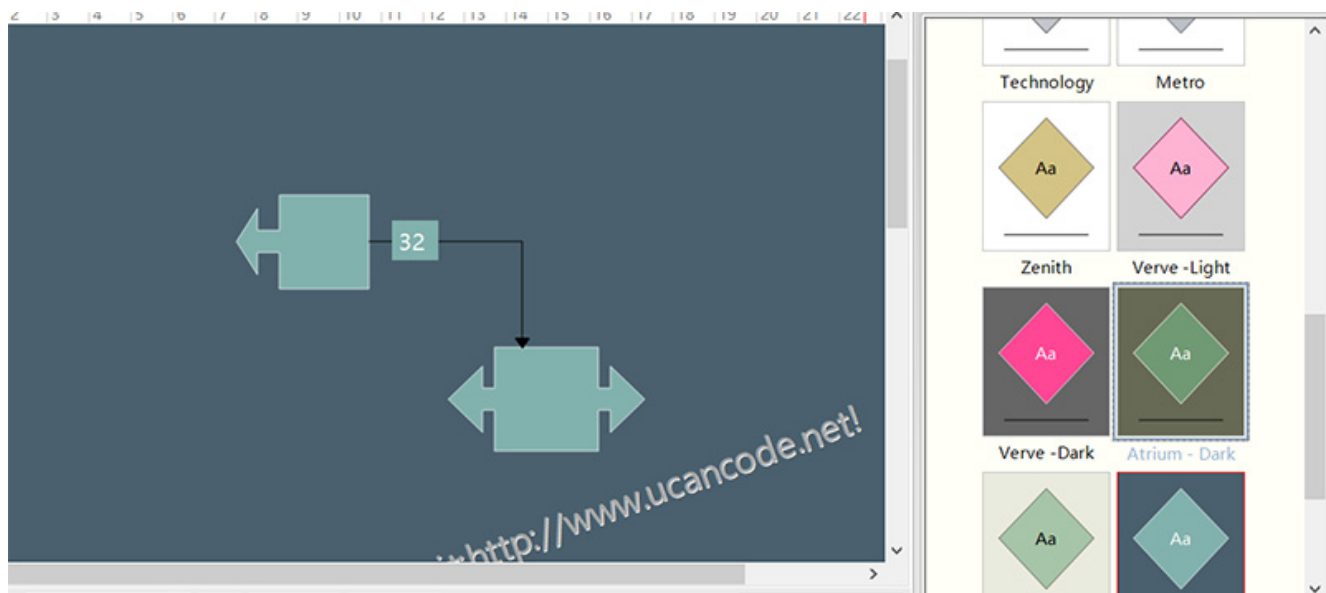
30. Quick linking feature is added:



31. Quick text input feature is added, you can enter text by move the focus to any shape on the canvas.



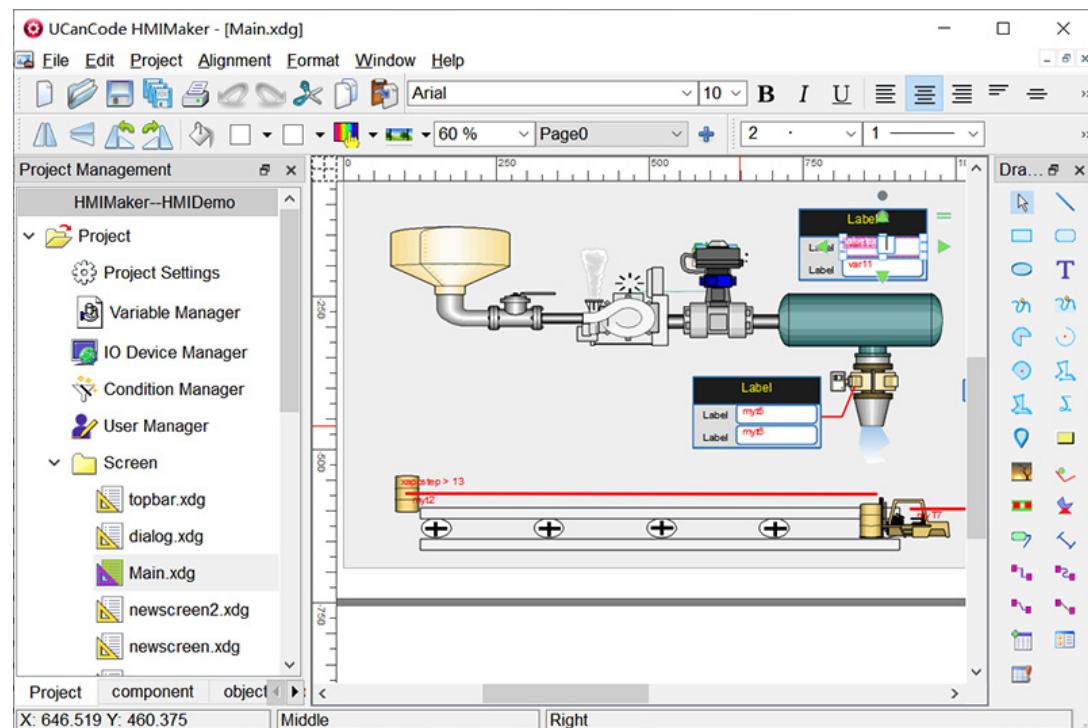
32. Color theme feature is added, with color theme, it will be very easily to drawing very professional diagram.



33. Improved SVG importing feature, fast drawing speed, etc.

34. VX++ cross-platform C++ industrial source code library is officially released, supporting Windows, Linux, IOS, Andriod and other extensive platforms. At the same time support the development of embedded Linux. Can quickly develop any HMI, SCADA industrial monitoring, configuration, modeling and simulation applications.

[learn more...](#)



To learn more about this new release, please visit:

<http://www.UCanCode.net/XDFeature/feature.htm>

E-XD++ Visualization Source Code Kit Enterprise Edition is the world's leading **MFC/VC++** visualization component. Renowned for incredibly rich graphics, E-XD++ helps developers build applications that offer unparalleled functionality. Outstanding productivity lowers project risk and reduces maintenance headaches. With over 20 years of dedicated research and development, UCanCode leads the market for visualization technologies, providing outstanding customer support. with E-XD++ Enterprise you can easily build any HMI/SCADA/PLC/CAD/GIS like applications.

*"To date, the reliability and performance of the E-XD++ Library have been tested through many kinds of Vector Graphics - related software of UCanCode customers around the World. The E-XD++ Library now are used in over 40 countries!"*

Additional details about E-XD++ Enterprise Edition are available at:

<http://www.UCanCode.net/Products/Form2/EXDEntprise.htm>

A new product tour is also ready now, this is E-XD++ Product walkthrough. You can find it with:

<http://www.UCanCode.net/XDFeature/feature.htm>

Please contact sales for more information: [sales@UCanCode.net](mailto:sales@UCanCode.net)

To order: <http://www.UCanCode.net/Order/order.htm>

More information at:

<http://www.UCanCode.net>

Details available about each product are available at:

<http://www.UCanCode.net/Products/index.htm>.

### **About UCanCode software, Inc.**

We are UCanCode.Net Software, Inc., a software development company. We have been in business over 20 years developing C++ libraries. UCanCode.Net Software develops high quality software solutions that provide software developers with the most up to date tools available today. All source code is supplied and is 100% MFC compatible and extendable. Developers can easily create authentic Microsoft Visio, Adobe Illustrator, and CorelDRAW style applications within seconds. UCanCode Software can be reached at (86) 28-8535-4545 or by visiting their website at [www.UCanCode.net](http://www.UCanCode.net).