



Introduction of iX V1.30

New version, new features, new benefits

Agenda

- ▶ Trends in process operation.
- ▶ What is iX?
- ▶ State of the art graphics.
- ▶ Solid HMI functionality.
- ▶ Smarter design & engineering tools.
- ▶ Truly open platform.
- ▶ What's new in iX V1.30?
- ▶ iX hardware line up.
- ▶ What makes iX outstanding?
- ▶ Potential application areas.
- ▶ References.
- ▶ Outstanding arguments.
- ▶ Why iX?





What is iX?

iX is the world's **MOST GRAPHIC HMI** solution. **TRULY OPEN.**

- ▶ iX is the trend-setting HMI solution.
- ▶ iX is a combination of hard- and software.
- ▶ iX is based on market leading .Net framework technology.
- ▶ iX offers an open platform architecture.



What is iX?

- ▶ The iX philosophy is based on four principles, which together build a revolutionary HMI concept, to be used for universal process visualization applications. Those four principles are:
 - ▶ State-of-the-art graphics
 - ▶ Solid HMI functionality
 - ▶ Smarter design and engineering tools
 - ▶ Truly open platform

State of the art graphics

This means:

- ▶ Vector-based graphics
- ▶ Graphical effects
- ▶ Windows media objects
- ▶ Dynamic objects
- ▶ Drawing objects
- ▶ Component library
- ▶ Navigation controls
- ▶ Popup screen

Your benefit:

- ▶ Create professional realistic user interfaces in a trend-setting modern style



Solid HMI functionality

This means:

- ▶ Alarm management
- ▶ Recipes
- ▶ Trends
- ▶ Data logging
- ▶ Scheduler
- ▶ Audit trail
- ▶ Password security
- ▶ Multiple languages
- ▶ System tags
- ▶ Internal variables
- ▶ Index addressing
- ▶ Cross reference
- ▶ Remote access



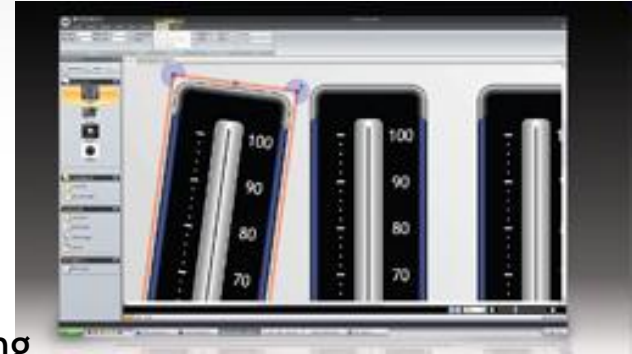
Your Benefit

- ▶ All required HMI tools in your hand for entire process control.

Smarter design & engineering tools

This means:

- ▶ User-friendly environment
- ▶ Templates
- ▶ Styles & Quick styles
- ▶ Property grid
- ▶ Simulation
- ▶ Navigation manager
- ▶ Object browser
- ▶ Multiple objects editing
- ▶ Format painter tools
- ▶ Multiple actions
- ▶ Tag conditions/actions
- ▶ Component library
- ▶ Multiple displays



Your Benefit

- ▶ Future oriented environment for time saving project development

Truly open platform

This means:

- ▶ Choice of hardware platform
- ▶ Multi controller applications
- ▶ OPC and SQL connectivity
- ▶ Controller data exchange
- ▶ C# scripting
- ▶ WPF components and .net controls
- ▶ 3. party components

Your Benefit

- ▶ Modify iX to your own needs and keep advantage to your competitors



What's new in iX V1.30



- ▶ Docking framework
- ▶ Compact styles
- ▶ Animated GIF
- ▶ Multi picture button
- ▶ Data base export
- ▶ Improved alarm viewer
- ▶ Multi language keyboard layout
- ▶ More demo application
- ▶ Template screens
- ▶ Improved help function
- ▶ Online controller settings
- ▶ Multi language developer
- ▶ Distributed alarm server
- ▶ Improved performance

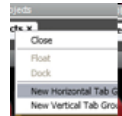
Your Benefit

- ▶ Extended functionality for future proofed HMI performance

New features iX V1.30 movie clips

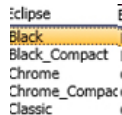
iX 1.30 launch
Upgraded. Redesigned. Extended.

iX



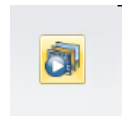
Docking framework

Improve your project management. Create new horizontal/vertical windows and drag & drop screens or objects between visible windows.



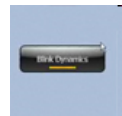
Compact styles

Styles are predefined graphical preferences in objects and help you create a uniform graphical standard in your applications.



Animated GIF

Use animated GIF-files to create living user interfaces. It will bring more realistic expression to your application and ensures a safer process control.



Multi picture button

Use two different objects and the function Toggle-Tag and make your keyboard control visible.



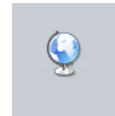
Database Export

Production reports (e.g., alarms, trends or audit trails) can be created quickly and exported into external (e.g. Excel) data bases for further analysis.



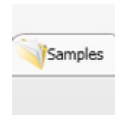
Improved Alarm Viewer

The improved grid view and touch scroll function ensures better navigation control in long alarm lists.



Multi language keyboard layout

Use several different keyboard layouts (e.g. Cyrillic or simplified and traditional Chinese) for easy maintenance and data entry.



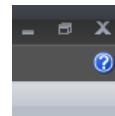
More demo applications

Use the extended demo project list to get new ideas for your applications. Just choose an example, learn the functionality and design your own individual screen.



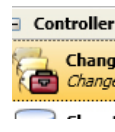
Template screens

Use the sample screens to quickly develop your own applications. The large selection of templates offers the right option for various applications.



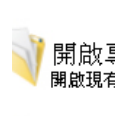
Improved help file

To get a better understanding of the extensive functions, tools and objects in iX, go the improved Help Files section in iX Developer.



Online controller settings

Save extensive programming time by selecting the PLC drivers during runtime.

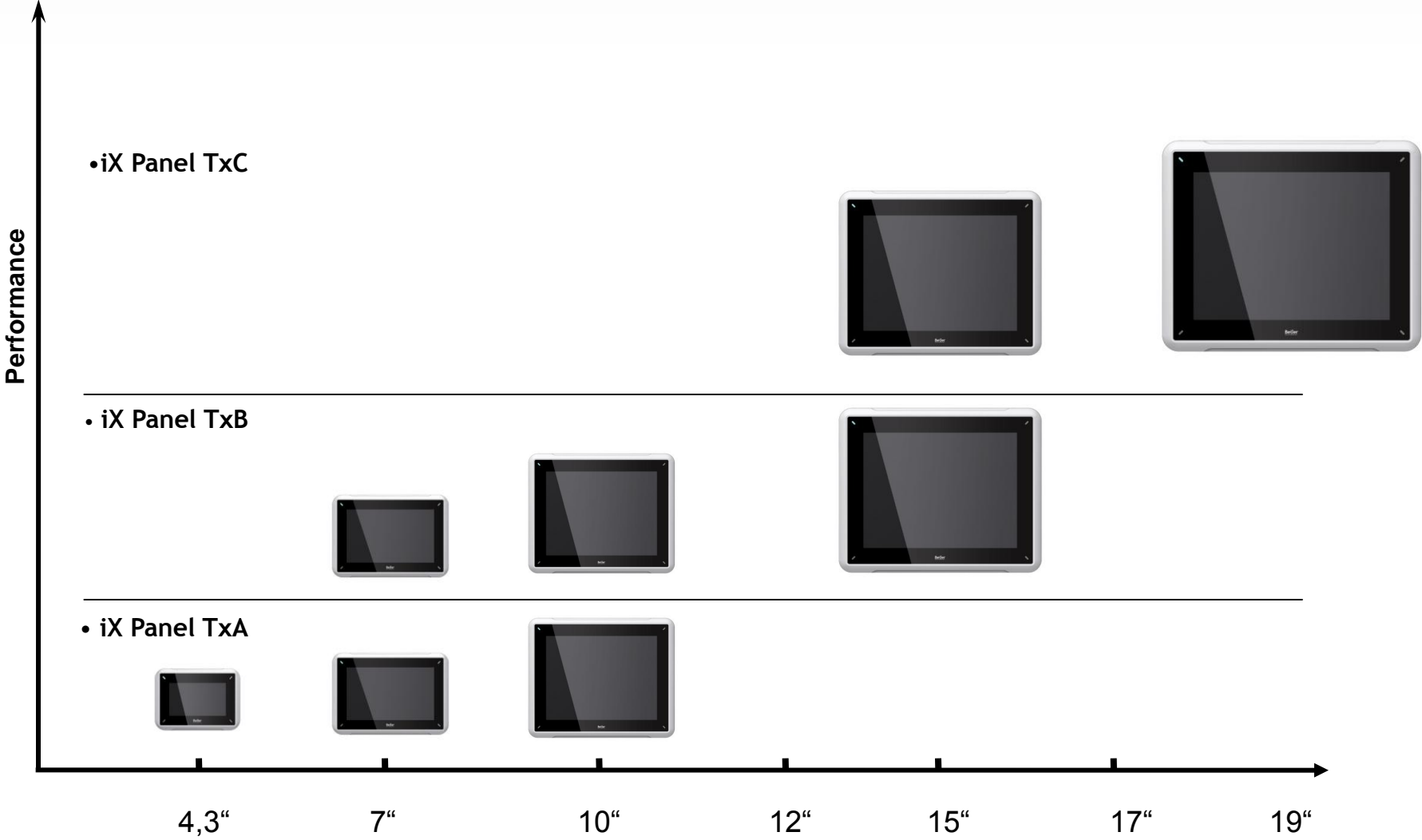


Multilingual designer

You can choose your own developer language to work in a well known environment. Set up between many European languages or Chinese simplified or traditional.

Further examples are available at www.beijerelectronics.com

iX hardware line up



What makes iX hardware outstanding?

- ▶ Fully plain surface
- ▶ Modern style product design
- ▶ Dimmable high resolution TFT displays
- ▶ Variety of communication ports
- ▶ Widescreen format
- ▶ Maintenance free LED backlight
- ▶ Robust die-casted aluminum case
- ▶ Vesa mounting holes

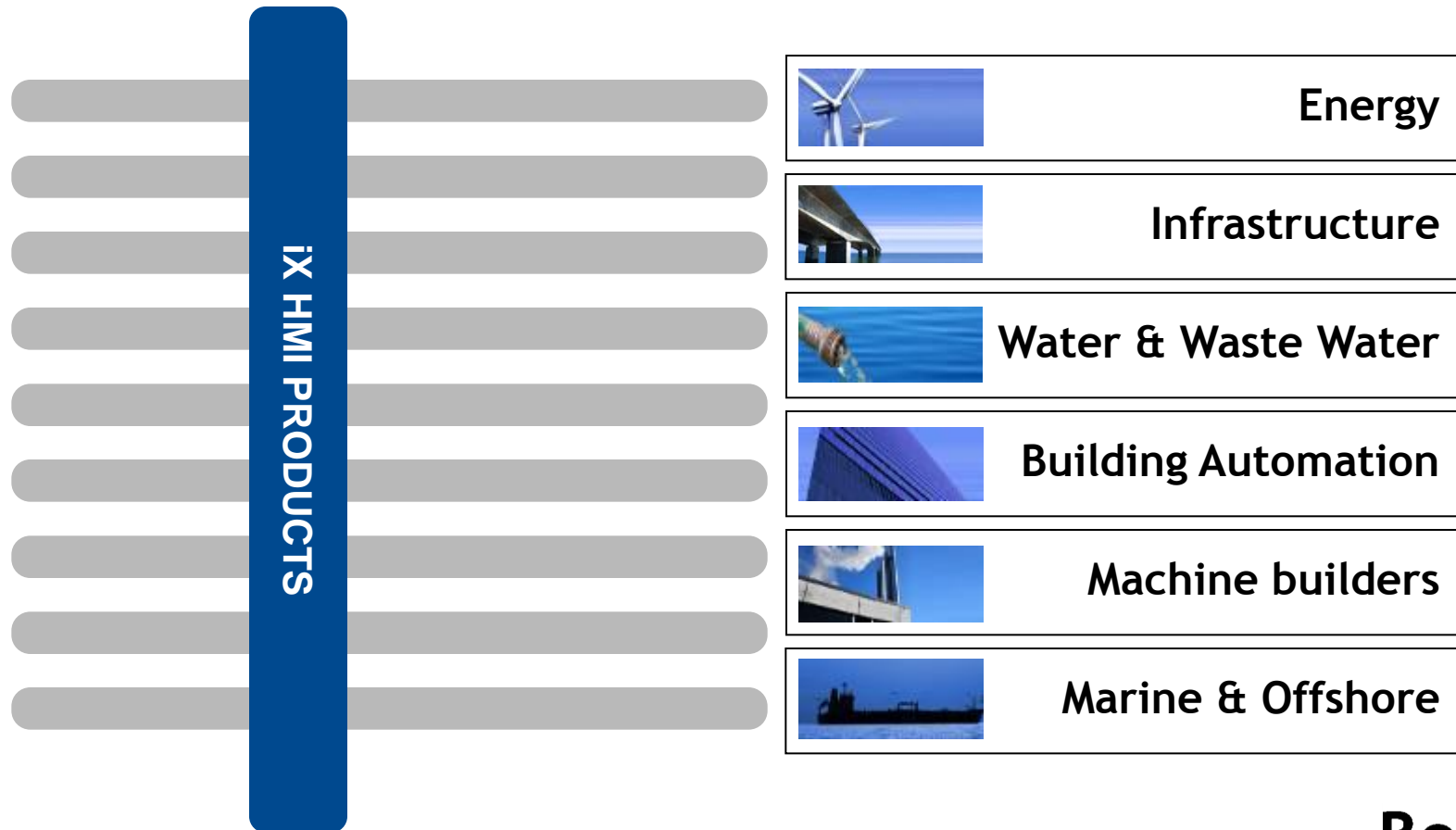


Your Benefit

- ▶ Enhance your process control to a competitive, user-friendly environment

Potential application areas

- ▶ iX is the versatile HMI solution for a wide range of industries.



References

- ▶ Alfa Laval, Denmark
- ▶ Marwood Metal Fabrication, Canada
- ▶ Volvo, Sweden



Outstanding arguments.

- ▶ iX facilitates to manage your HMI projects efficiently in a user-friendly environment .
- ▶ Use the combination of state-of-the art graphics and solid HMI functionality to create essential synergies.
- ▶ Create professional HMI solutions with a time saving design and engineering tool.
- ▶ Experience iX open platform architecture to enhance your future HMI applications.



Why iX?

- ▶ iX reduce engineering time significantly and leads to faster return on investment.
- ▶ iX lead to higher production output through minimizing machine downtime.
- ▶ iX is a future proofed investment due to long term availability of Microsoft standard technology.
- ▶ iX safe investment with easy project recycling and updating.
- ▶ iX offer competitive advantage through creating customized functionalities.
- ▶ iX runs on state of the art technology HMI hardware, the iX Panel.





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