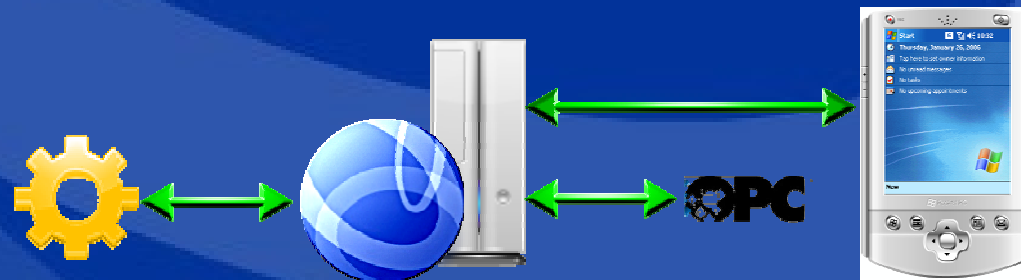


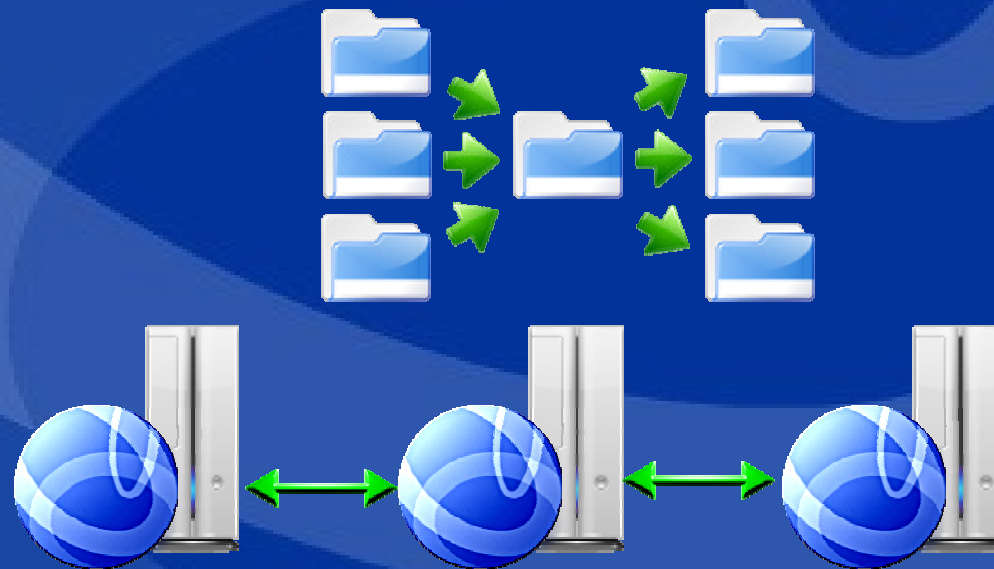


Real-time HMI and SCADA
software for .NET applications.

- OPC Systems.NET central communications runs as a Windows Service.
- Read and write data to OPC Servers supporting Data Access 1.0a, 2.0x, and 3.0.
- Read and write data to third party data from Visual Studio.NET using OPC Controls.NET and OPC Mobile.NET Data components.



- Each OPC Systems.NET Service can communicate with other OPC Systems.NET Services.
- Use Calculations to bring multiple local and remote Tags together into one result.



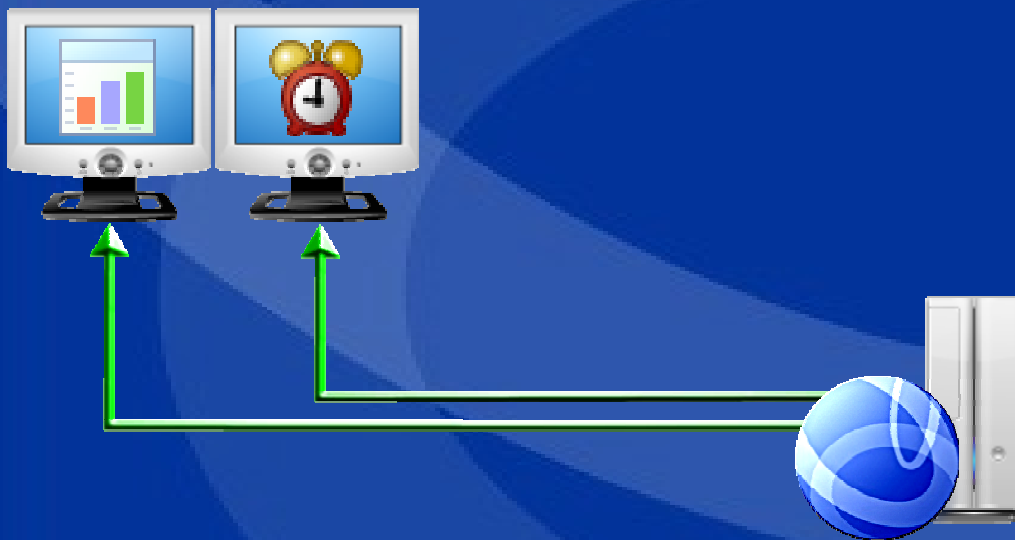
- Each licensed OPC Systems.NET Service provides unlimited remote connectivity to local and remote clients.



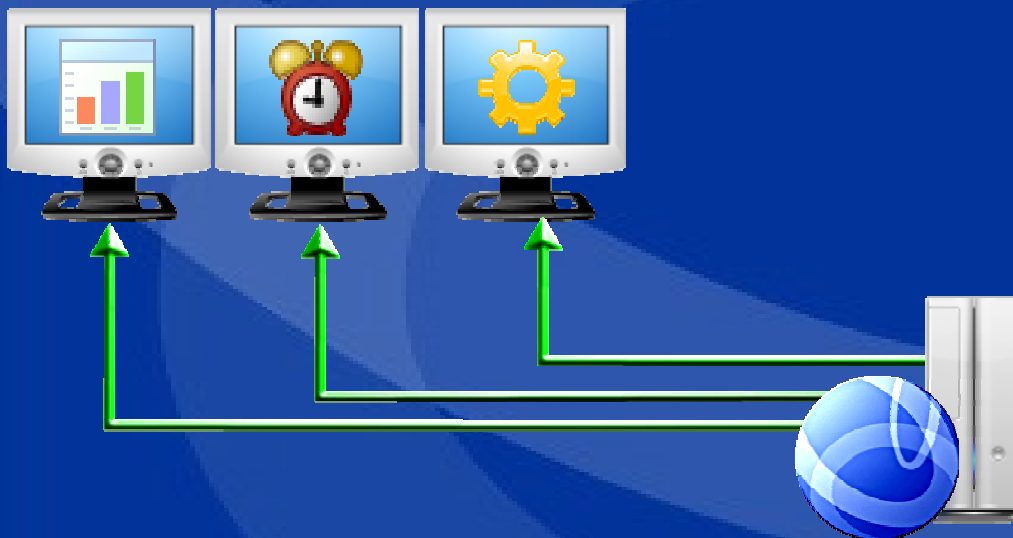
- OPC Trend.NET provides unlimited local and remote trend windows from each licensed service.



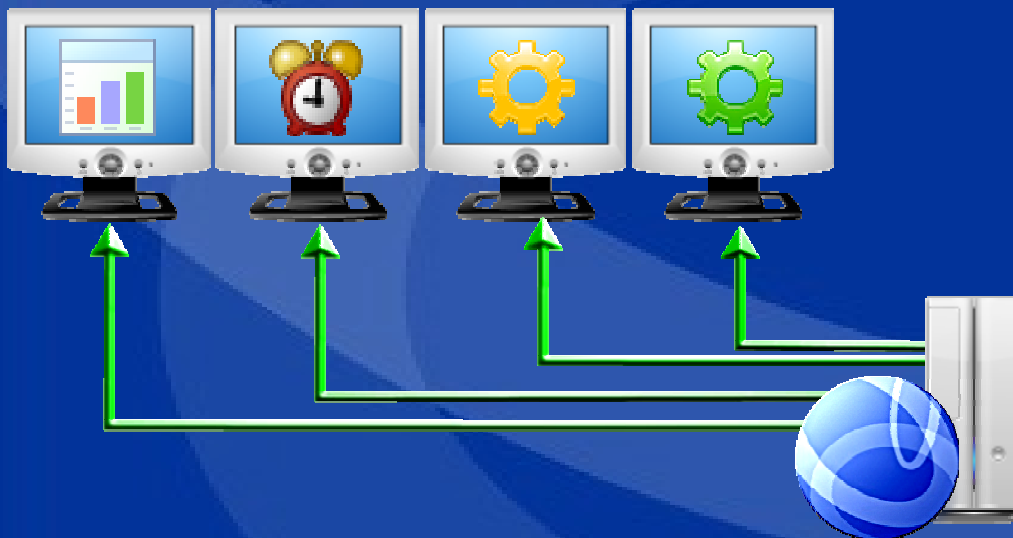
- OPC Alarm.NET provides unlimited local and remote alarm windows from each licensed service.



- OPC Controls.NET provides unlimited local and remote HMI applications from each licensed service.



- OPC Web Controls.NET provides unlimited local and remote ASP.NET web applications from each licensed service.



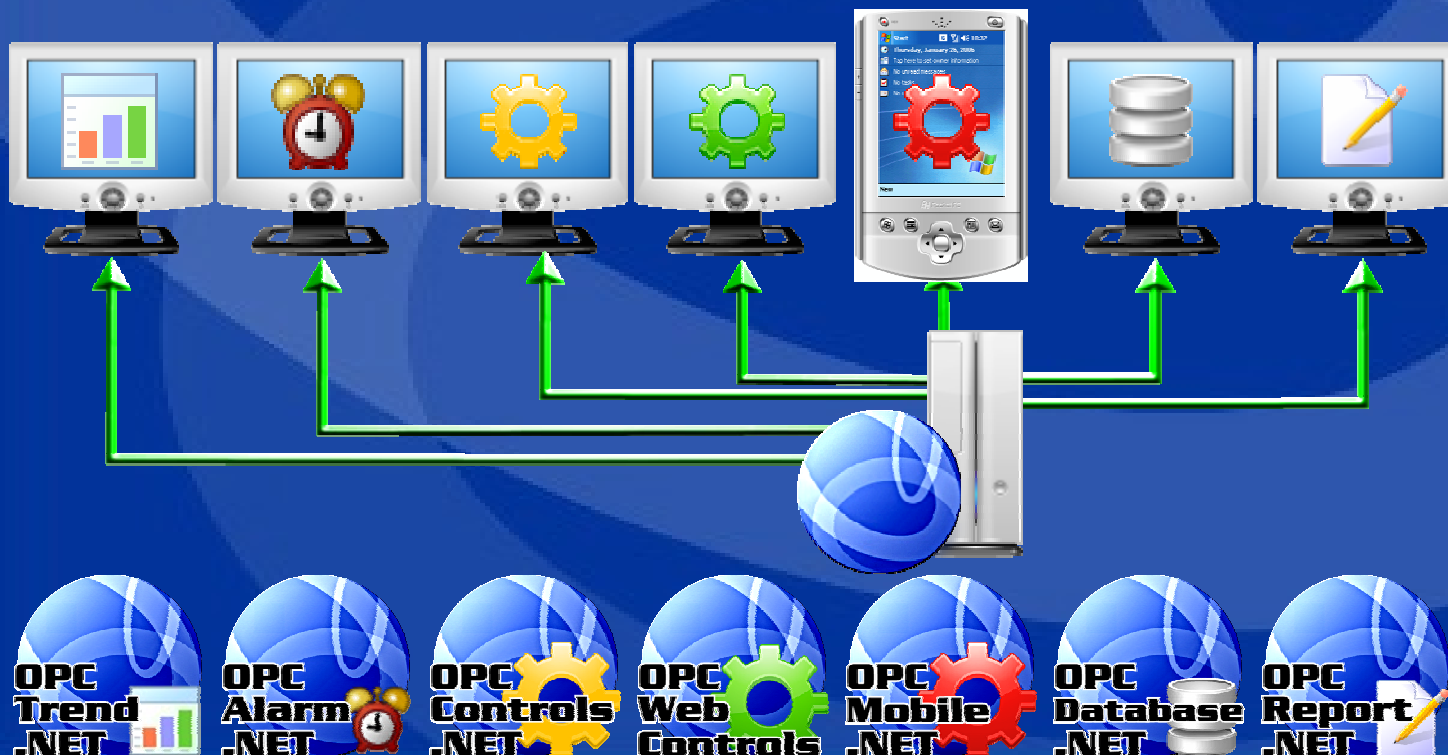
- OPC Mobile.NET provides unlimited remote pocket PC applications from each licensed service.



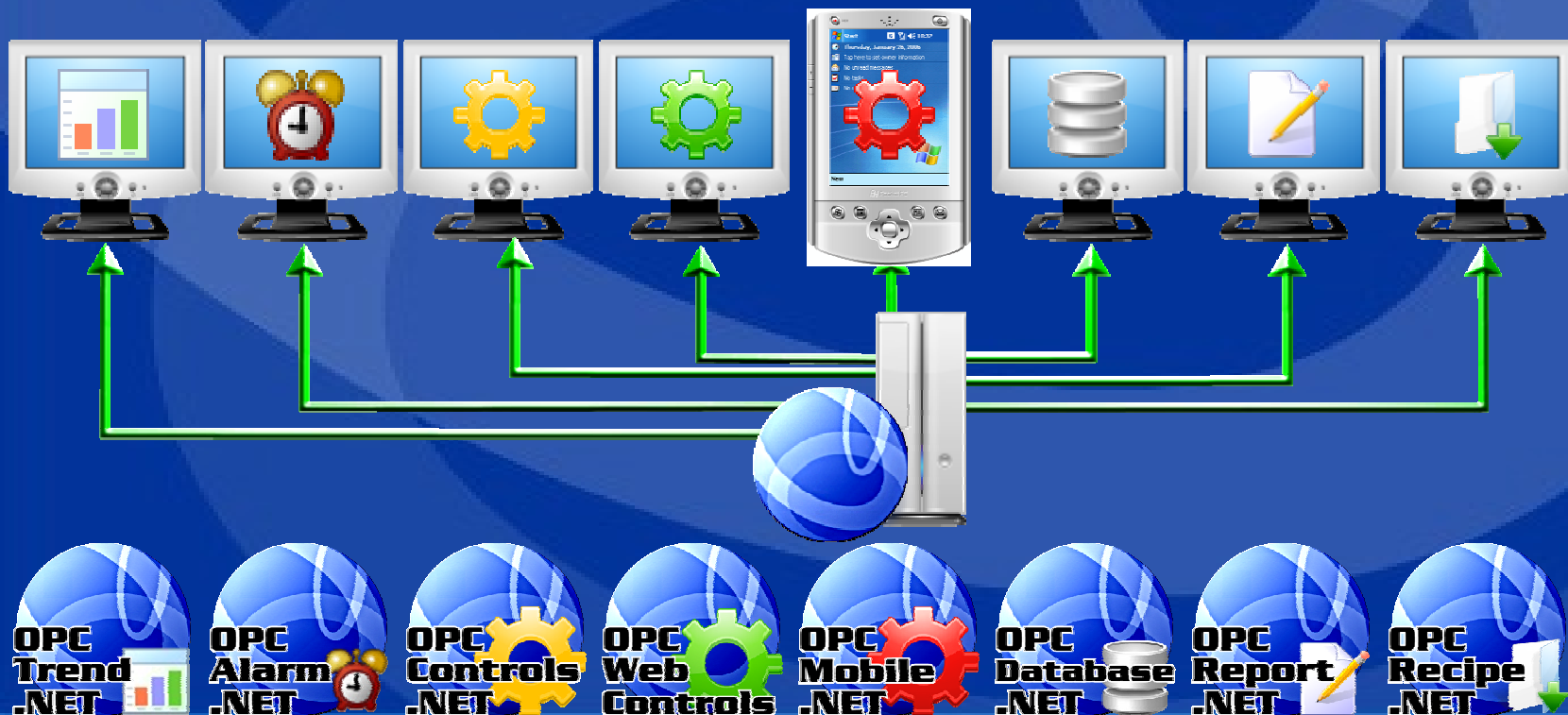
- OPC Database.NET provides local data logging to unlimited local and remote SQL Server, Oracle, or Access engines. Unlimited local and remote Tags can be used as the data source.



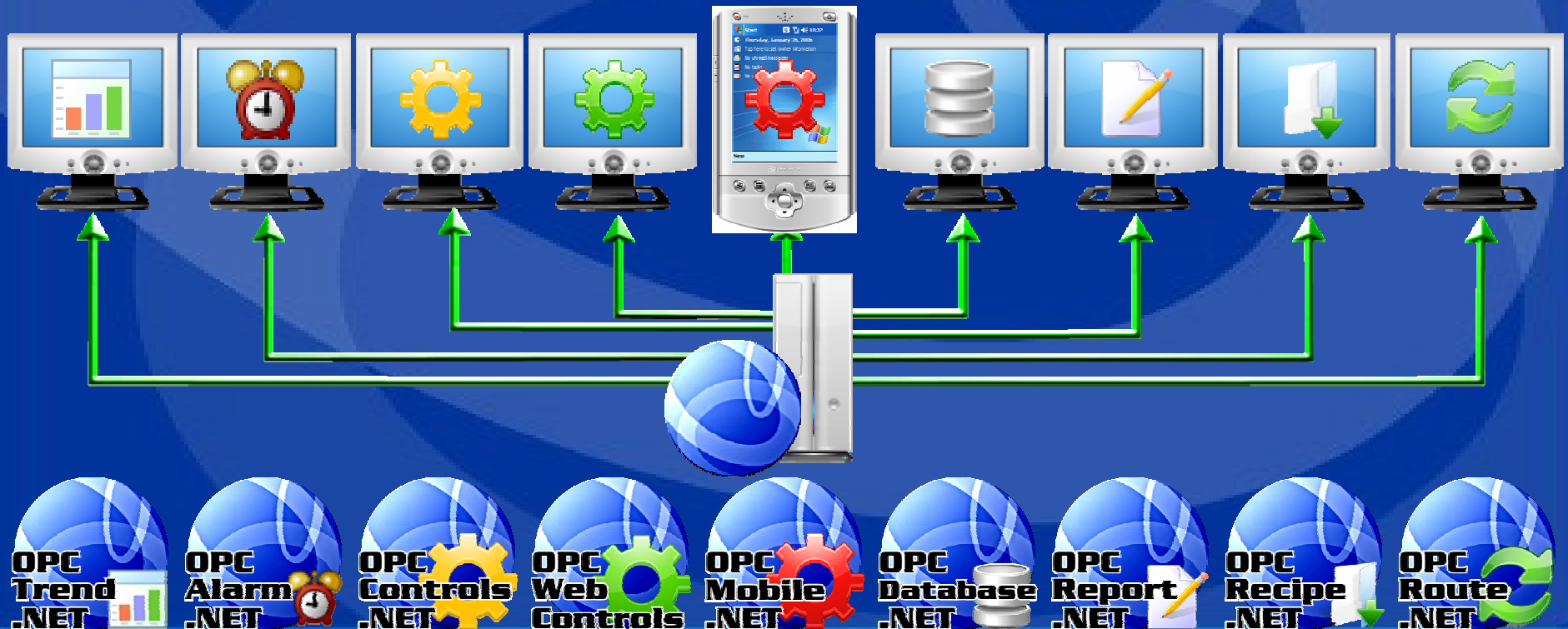
- OPC Report.NET provides local report generation from local and remote SQL Server, Oracle, or Access database engines.



- OPC Recipe.NET provides real-time and event driven data transfer from local local and remote SQL Server, Oracle, or Access database engines to unlimited local and remote Tags.



- OPC Route.NET provides real-time transfer of licensed local and remote Tag Services to local OPC Servers.

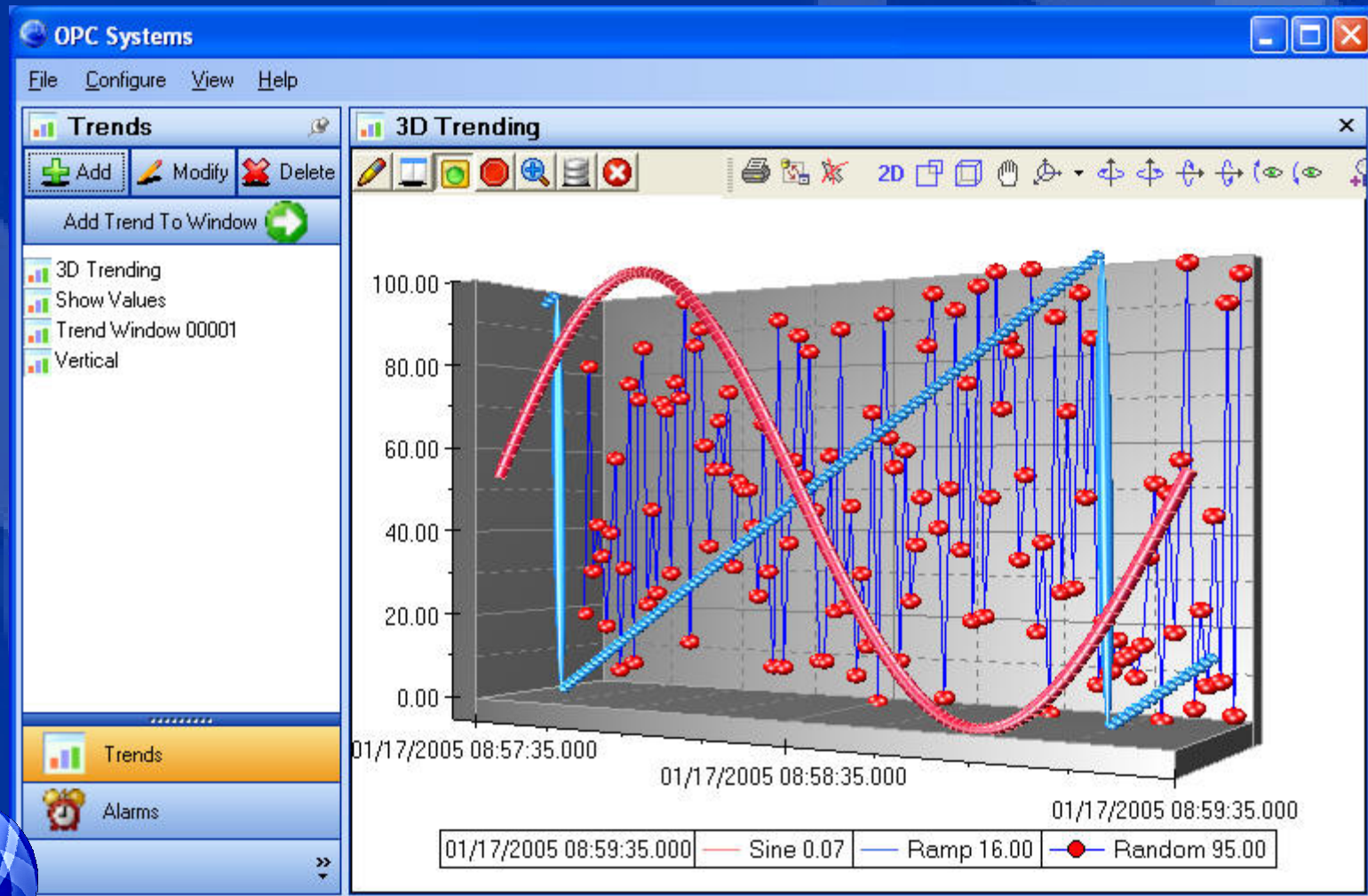




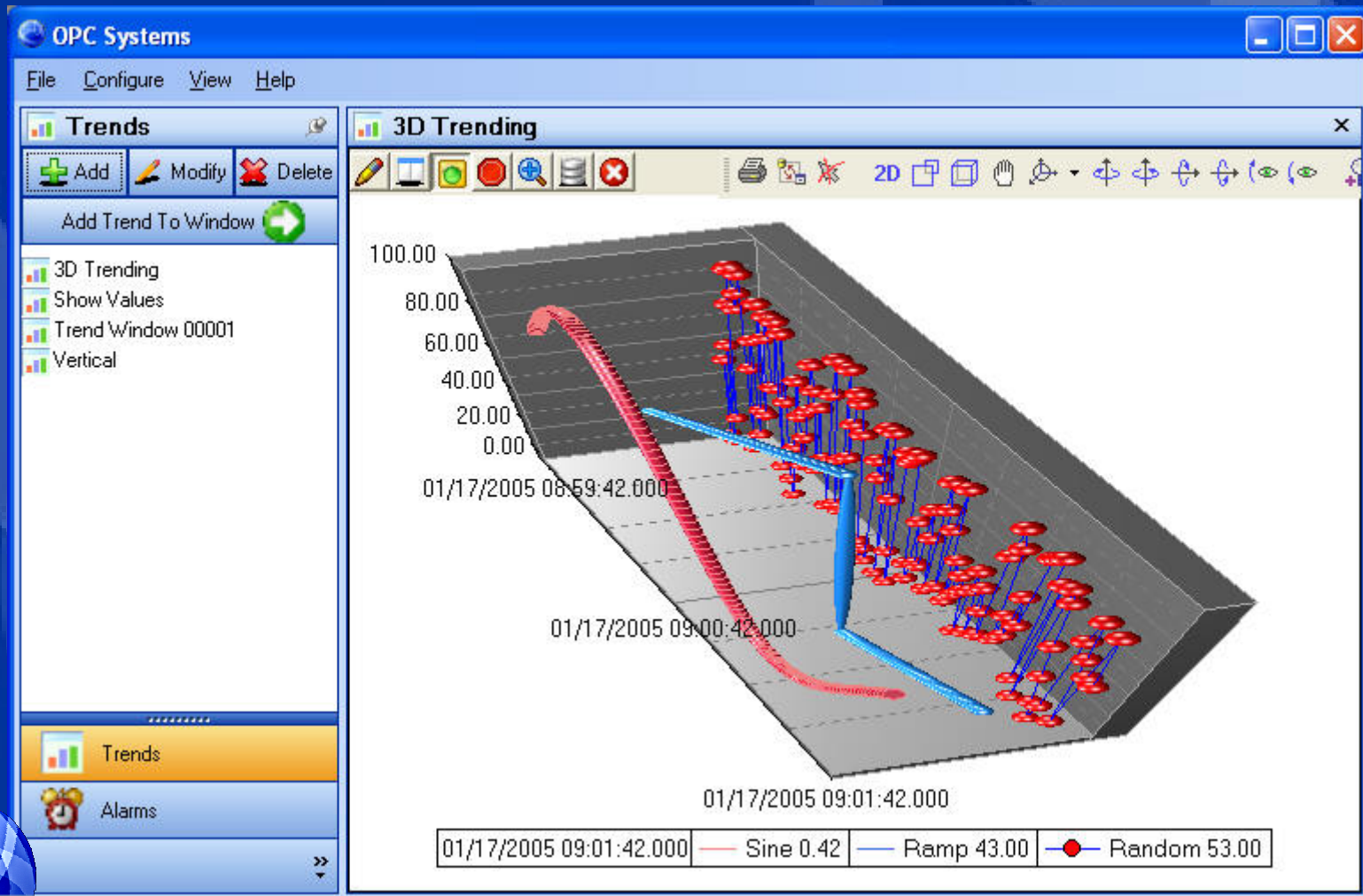
Real-time trending.

Historical trending with OPC Database.NET.

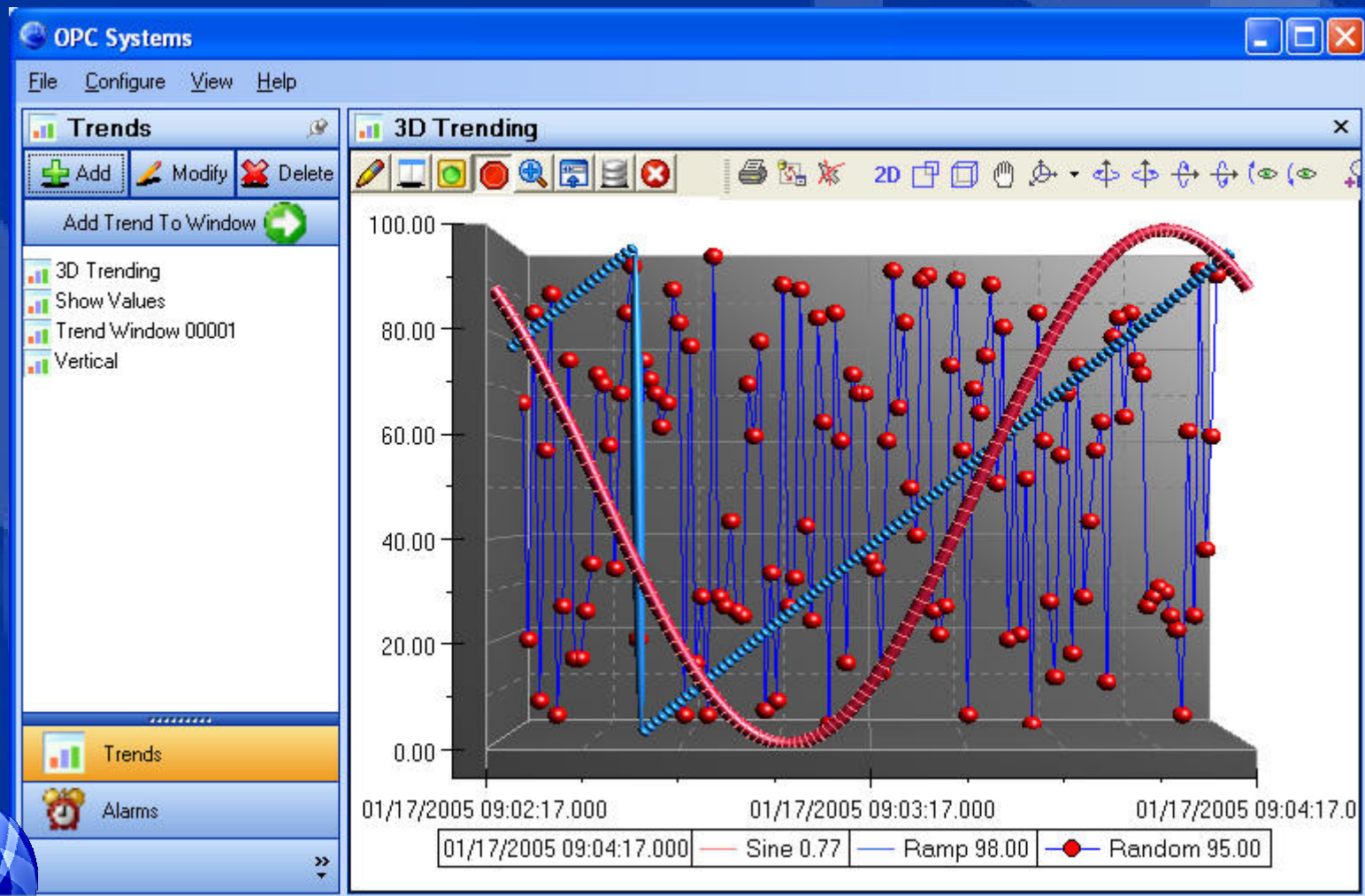
- Implement visually stunning trending.



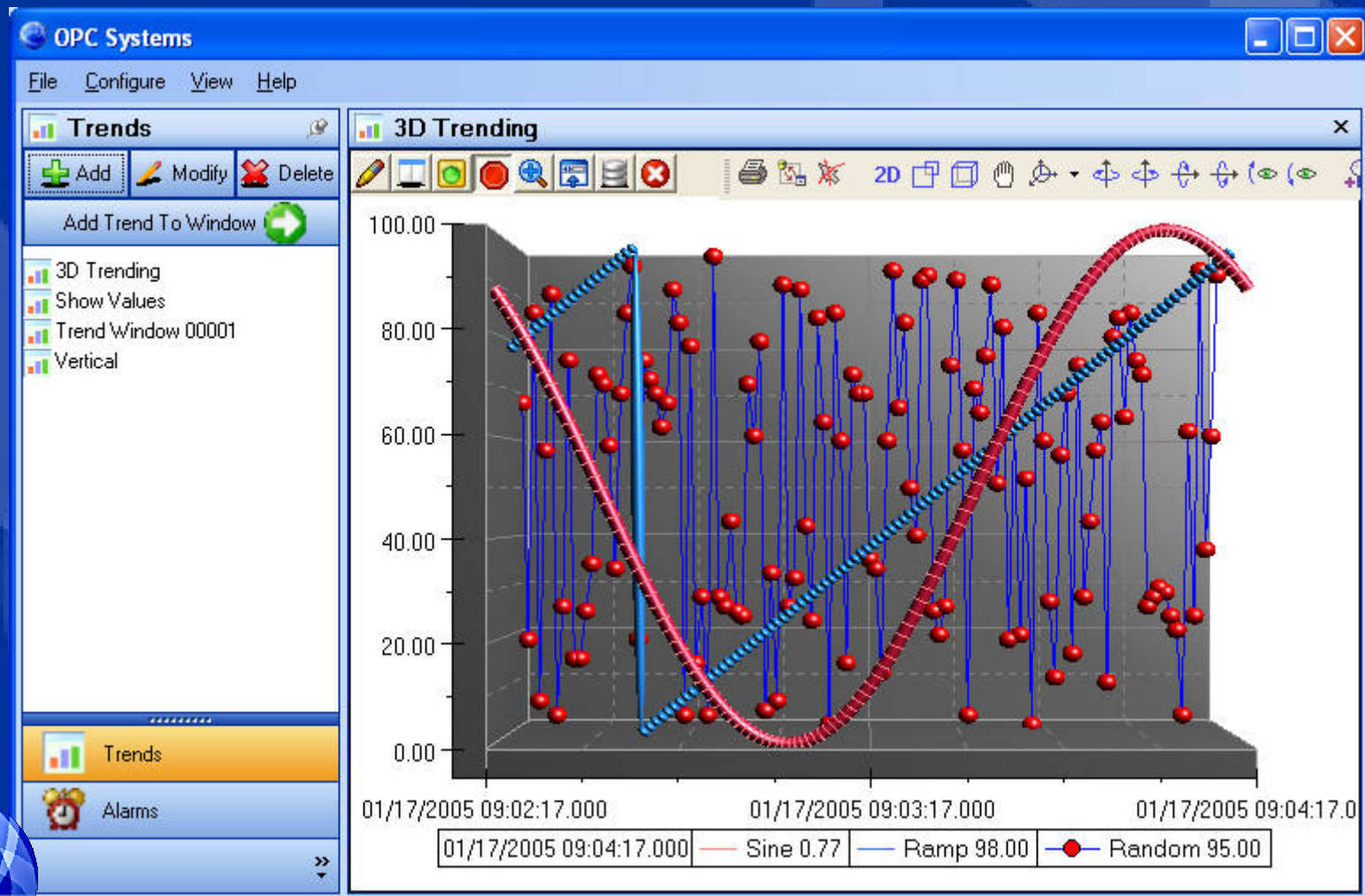
- 3D view from any angle.



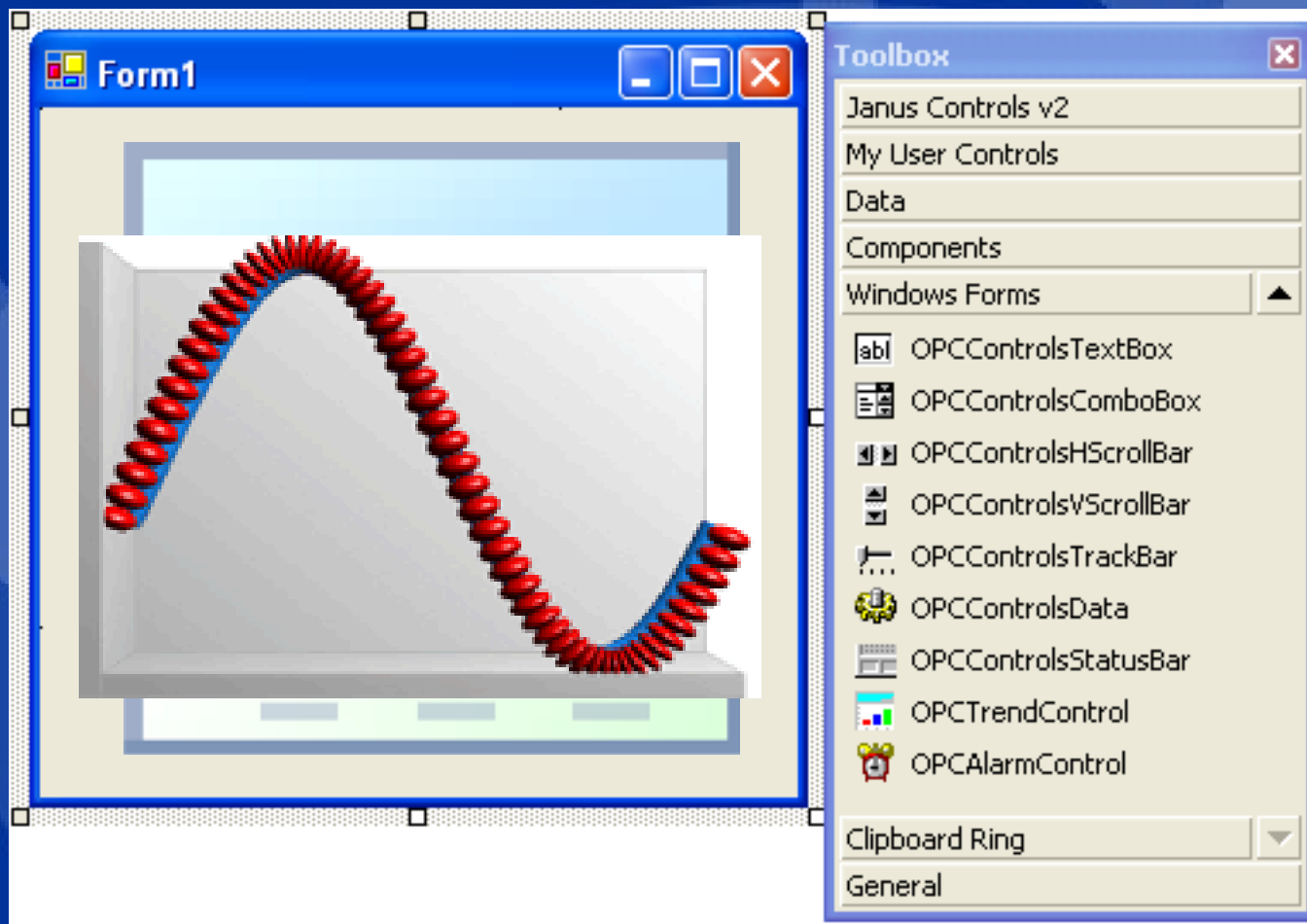
- Implement color and lighting effects with one click.



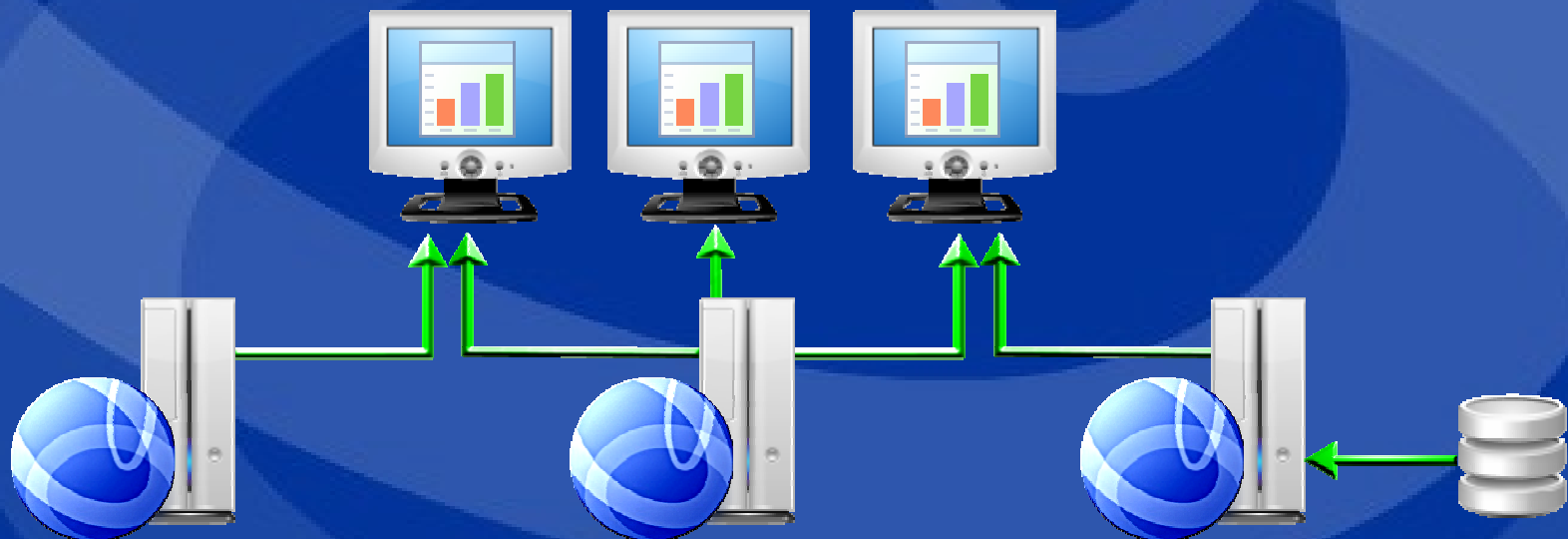
- Modify all properties during runtime through user interface or through programmatic properties.



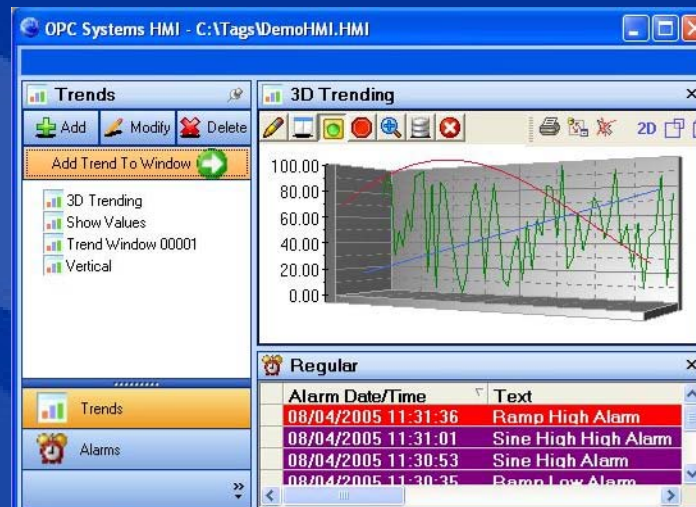
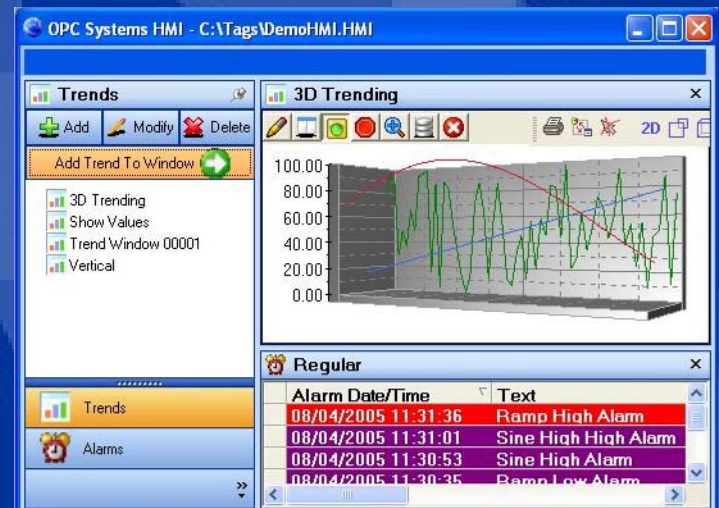
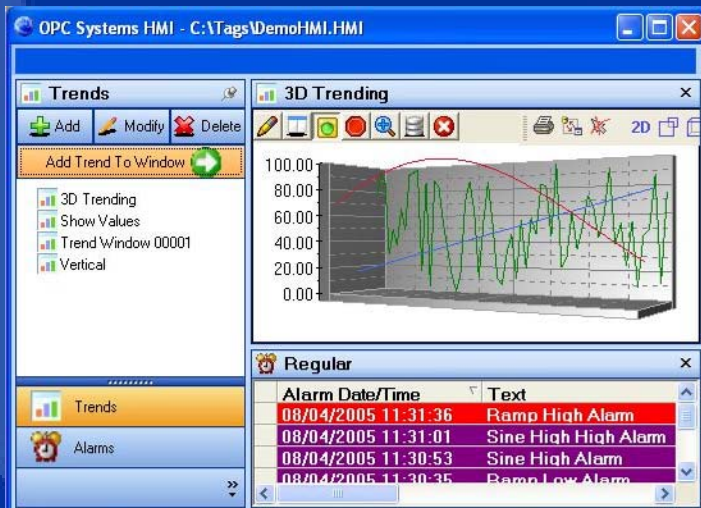
- 100% managed .NET component for Visual Studio 2003 and 2005 applications.



- Each licensed OPC Systems.NET Service provides unlimited local and remote applications.
- Each trend window can communicate to multiple licensed OPC Systems.NET Services.
- Combine with OPC Database.NET for historical trending over any time period.



- Includes free container application to run on local and remote systems.





Real-time and historical alarming.

- OPC Alarm.NET provides real-time and historical alarms.

Alarm Date/Time	Text
01/09/2005 11:56:12	Sine High High Alarm
01/09/2005 11:56:09	Sine High Alarm
01/09/2005 11:55:27	Ramp Low Alarm
01/09/2005 11:55:27	Ramp Low Low Alarm
01/09/2005 11:55:08	Ramp High High Alarm
01/09/2005 11:54:49	Sine Low Low Alarm
01/09/2005 11:54:48	Ramp High Alarm
01/09/2005 11:54:47	Sine Low Alarm



- Group and Sort by any column.
- Modify all properties during runtime.

Alarm Date/Time	Text	Alarm V
[-] Active: True		
[-] Alarm Type: Low Low		
08/23/2005 08:49:41	Ramp Low Low Alarm	
[-] Alarm Type: Low		
08/23/2005 08:49:41	Ramp Low Alarm	
[-] Alarm Type: High High		
08/23/2005 08:49:41	Sine High High Alarm	4597969
[-] Alarm Type: High		
08/23/2005 08:49:41	Sine High Alarm	1680164
[-] Active: False		
[-] Alarm Type: Low Low		
08/23/2005 08:48:41	Sine Low Low Alarm	4597969
[-] Alarm Type: Low		
08/23/2005 08:48:41	Sine Low Alarm	1680164
[-] Alarm Type: High High		



- 100% managed .NET component for Visual Studio 2003 and 2005 applications.

The screenshot shows a Visual Studio application window titled 'Form1'. Inside the window is a table with two columns: 'Alarm Date/Time' and 'Text'. The table contains eight rows of data, with the first two rows highlighted in red and the remaining six in purple. To the right of the window is the 'Toolbox' panel, which lists various controls including 'OPCControlsTextBox', 'OPCControlsComboBox', 'OPCControlsHScrollBar', 'OPCControlsVScrollBar', 'OPCControlsTrackBar', 'OPCControlsData', 'OPCControlsStatusBar', 'OPCTrendControl', and 'OPCAlarmControl'.

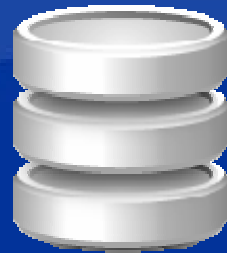
Alarm Date/Time	Text
01/09/2005 11:56:12	Sine High High Alarm
01/09/2005 11:56:09	Sine High Alarm
01/09/2005 11:55:27	Ramp Low Alarm
01/09/2005 11:55:27	Ramp Low Low Alarm
01/09/2005 11:55:08	Ramp High High Alarm
01/09/2005 11:54:49	Sine Low Low Alarm
01/09/2005 11:54:48	Ramp High Alarm
01/09/2005 11:54:47	Sine Low Alarm

Toolbox

- Janus Controls v2
- My User Controls
- Data
- Components
- Windows Forms
- OPCControlsTextBox
- OPCControlsComboBox
- OPCControlsHScrollBar
- OPCControlsVScrollBar
- OPCControlsTrackBar
- OPCControlsData
- OPCControlsStatusBar
- OPCTrendControl
- OPCAlarmControl
- Clipboard Ring
- General

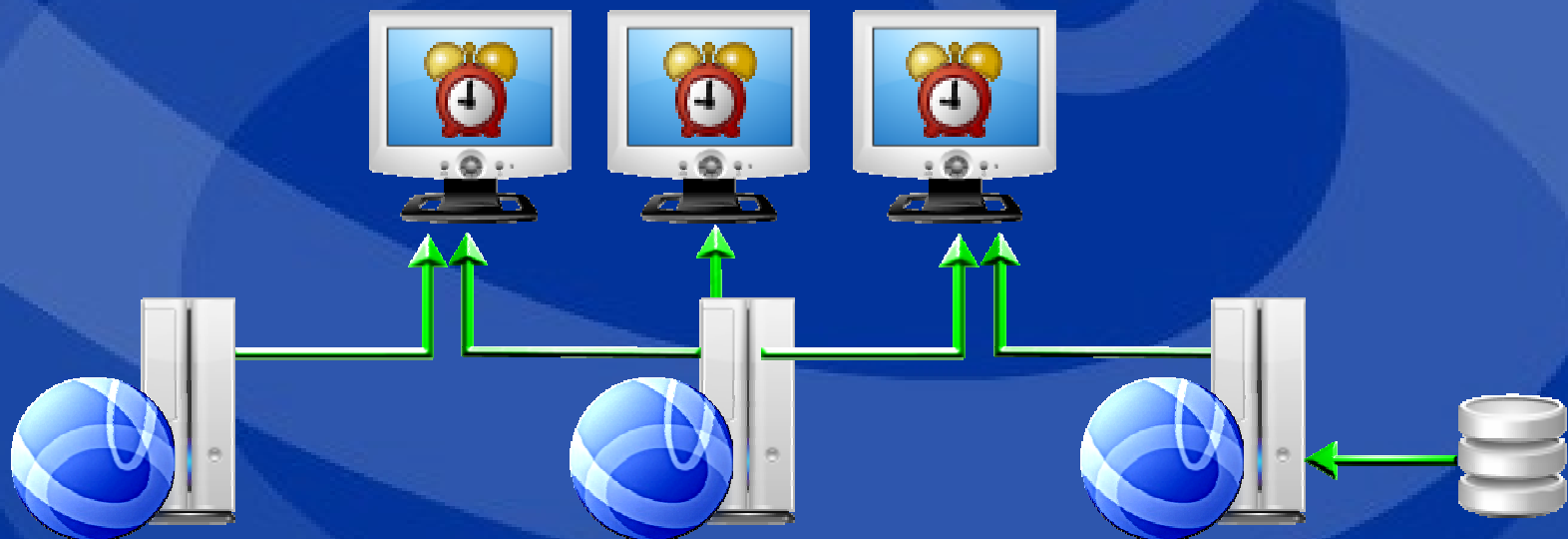


- Log alarms to databases and CSV Files.

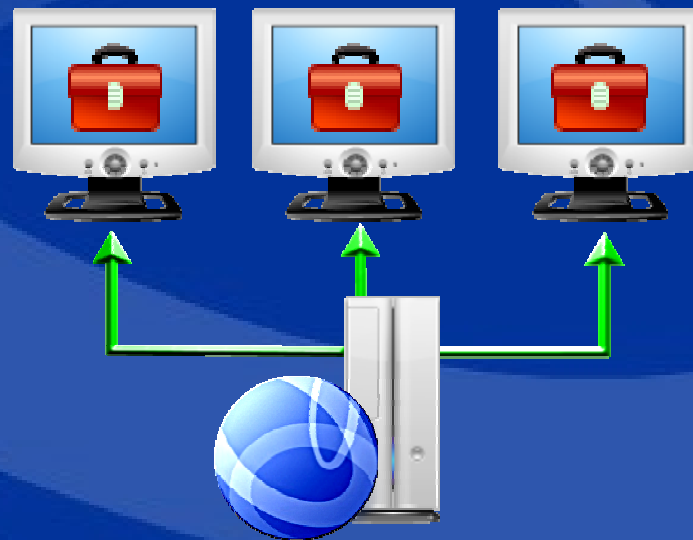


- SQL Server
- Oracle
- Access

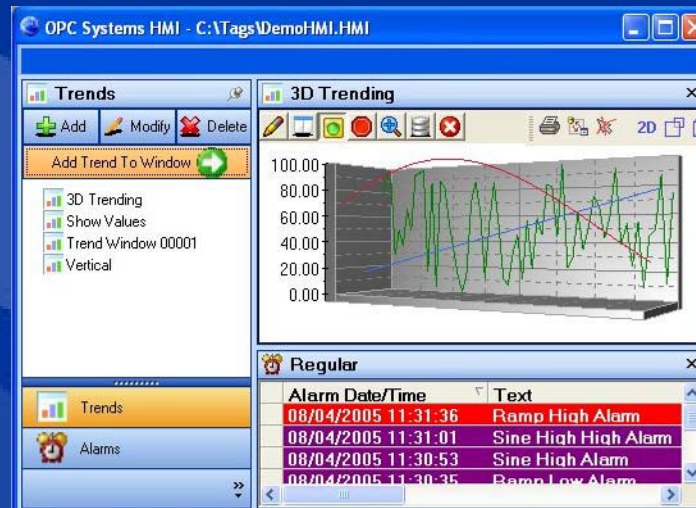
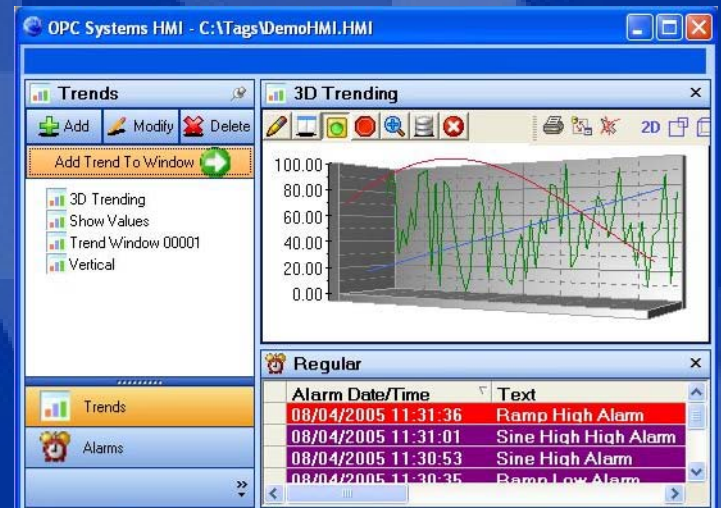
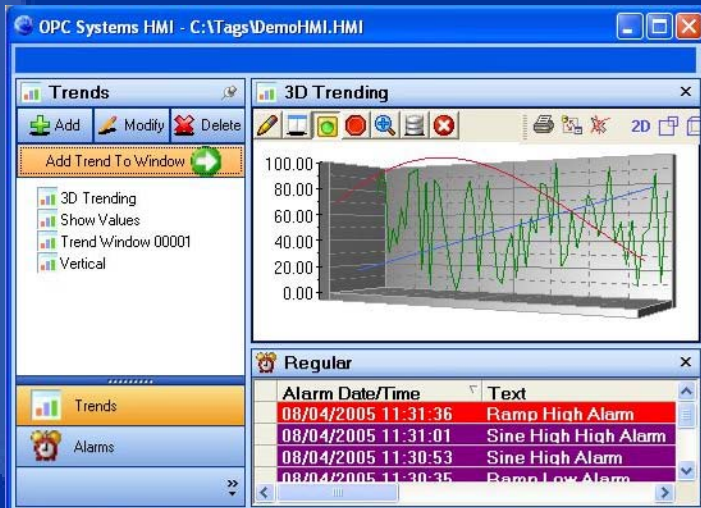
- Each licensed OPC Systems.NET Service provides unlimited local and remote applications.
- Each alarm window can communicate to multiple licensed OPC Systems.NET Services.
- Replay historical alarms from databases.



- Configure Alarm Limits and Alarm Logging from local or remote systems using free configure application or free programmatic interface with your own Visual Studio application.



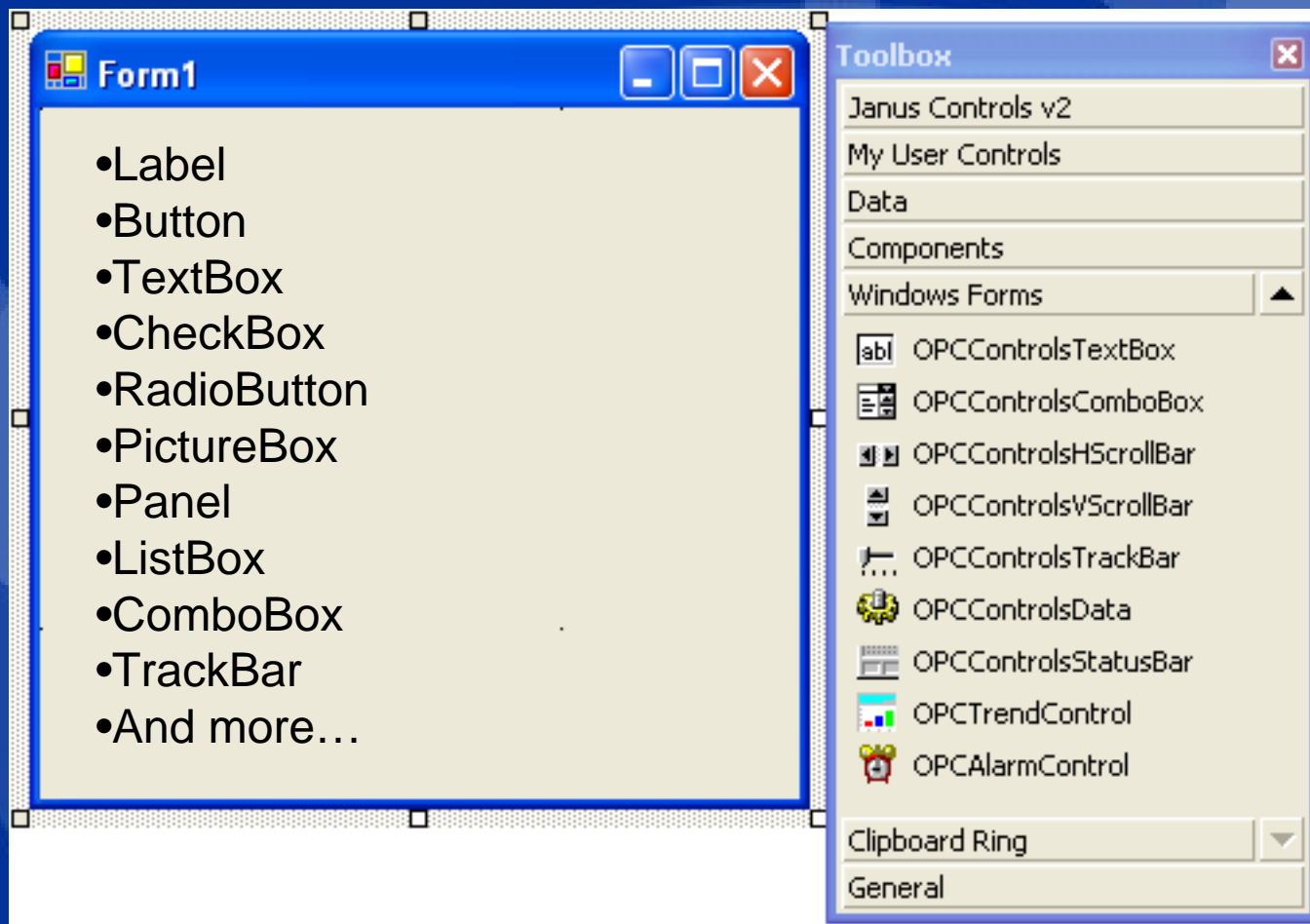
- Includes free container application to run on local and remote systems.



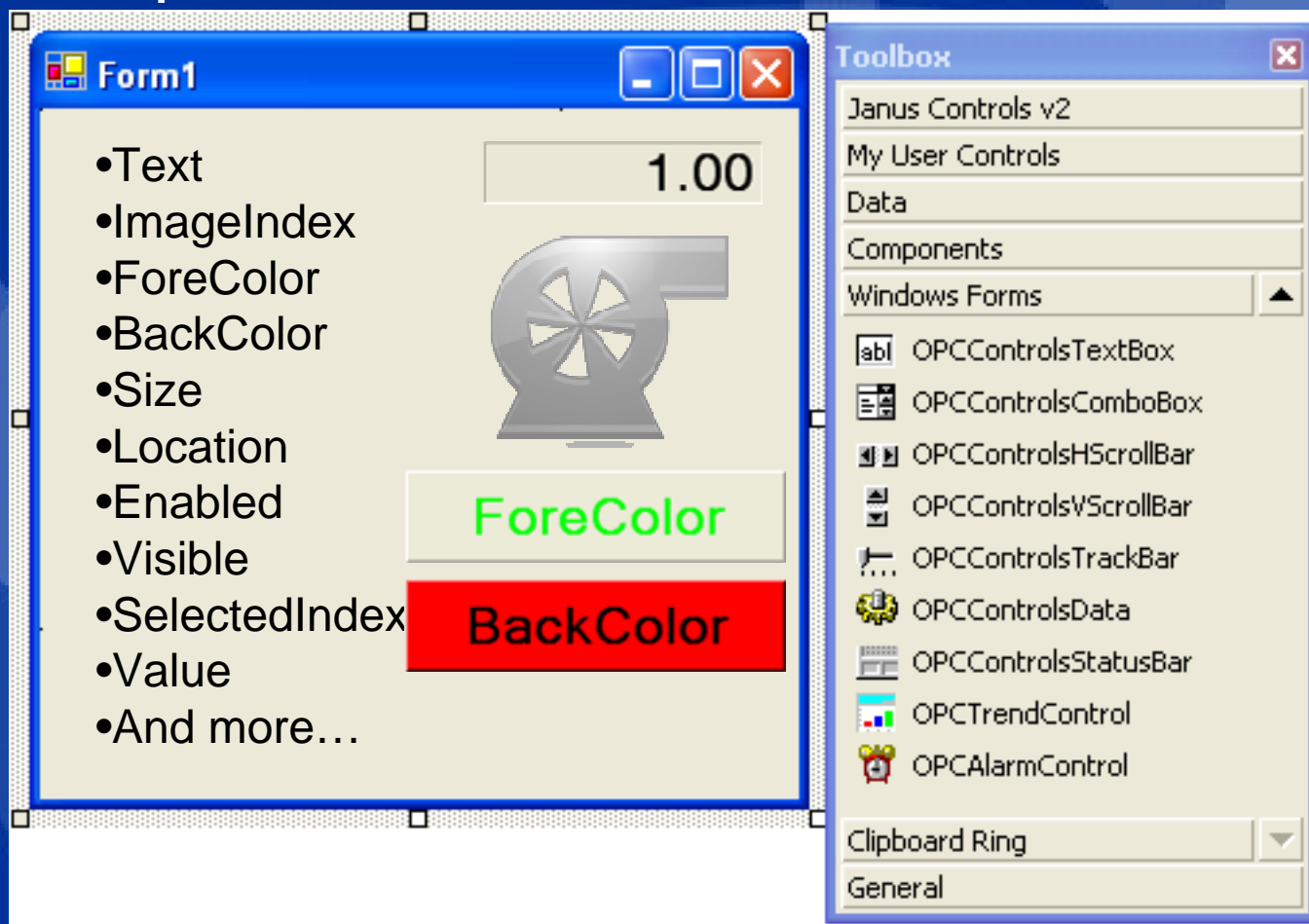


HMI and Data Access .NET components.

- 100% managed .NET components for Visual Studio 2003 and 2005 applications.



- Automatically update properties from real-time data with no code.
- Write data using click and entry events with no code required.



- Use any compatible image file to Visual Studio including free symbols provided with installation.



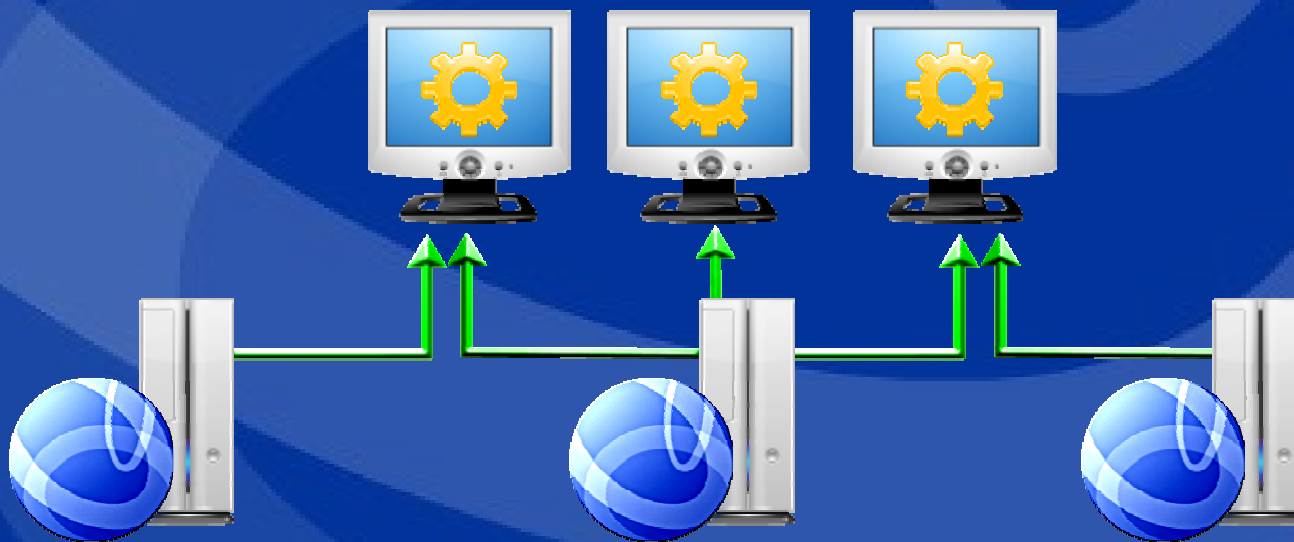
- Use the Data component to read and write values from local and remote licensed OPC Systems.NET Services.

```
Dim Tags(2) As String
    Tags(0) = NetworkPath + "Ramp.Value"
    Tags(1) = NetworkPath + "Sine.Value"
    Tags(2) = NetworkPath + "Random.Value"
    OpcControlsData.AddTags(Tags)
```

```
Private Sub OpcControlsData_ValuesChangedWithTimeStamp _
    (ByVal Tag As String, _
    ByVal Value As Object, _
    ByVal Quality As Boolean, _
    ByVal TimeStamp As Date) _
    Handles OpcControlsData.ValuesChangedWithTimeStamp
```



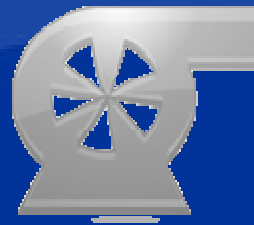
- Each licensed OPC Systems.NET Service provides unlimited local and remote applications.
- Each OPC Controls.NET application can communicate to multiple licensed OPC Systems.NET Services.





HMI ASP.NET components for web applications.

- AJAX enabled components for real-time update without the need for a page refresh.



- 100% managed ASP.NET components for HMI interface.
 - Button
 - CheckBox
 - DropDownList
 - Image
 - ImageButton
 - Label
 - ListBox
 - MessageBox
 - RadioButton
 - TextBox
 - And more



- Update properties dynamically with no code and without a page refresh.
 - Text
 - BackColor
 - BorderColor
 - ForeColor
 - Size
 - Location
 - Visible
 - ToolTip
 - And more
- Write data with entry events with no code.



- Use any compatible image file to Visual Studio including free symbols provided with installation.



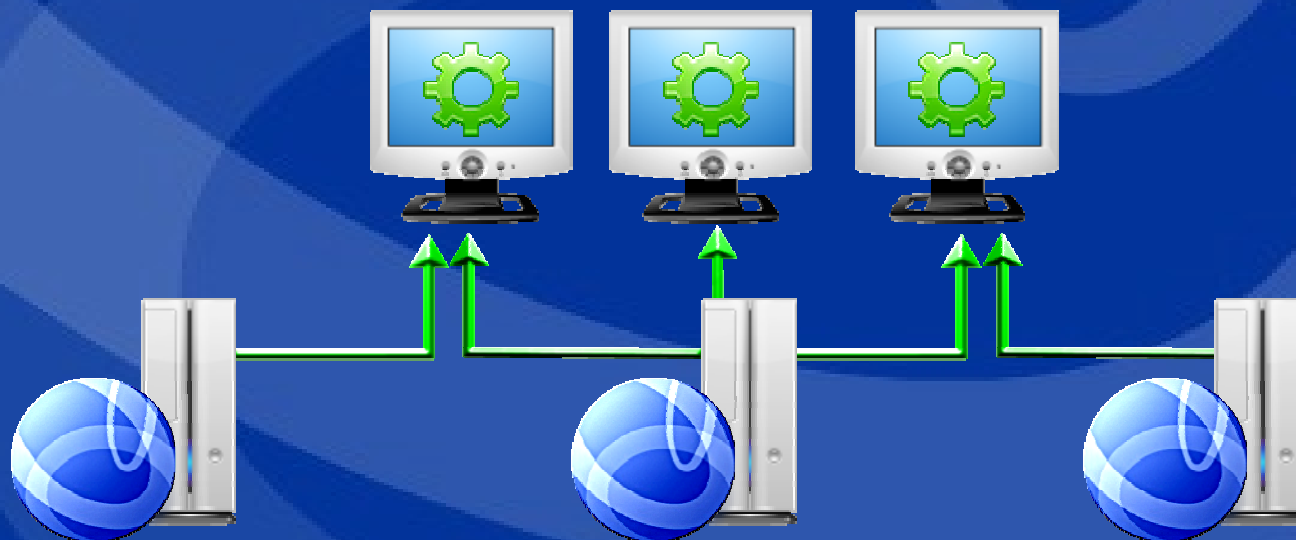
- Use the Data component in OPC Controls.NET to read and write values from local and remote licensed OPC Systems.NET Services in your ASP.NET web application.

```
Dim Tags(2) As String
    Tags(0) = NetworkPath + "Ramp.Value"
    Tags(1) = NetworkPath + "Sine.Value"
    Tags(2) = NetworkPath + "Random.Value"
    OpcControlsData.AddTags(Tags)
```

```
Private Sub OpcControlsData_ValuesChangedWithTimeStamp _
    (ByVal Tag As String, _
    ByVal Value As Object, _
    ByVal Quality As Boolean, _
    ByVal TimeStamp As Date) _
    Handles OpcControlsData.ValuesChangedWithTimeStamp
```



- Each licensed OPC Systems.NET Service provides unlimited local and remote web applications.
- Each OPC Web Controls.NET ASP.NET web application can communicate to multiple licensed OPC Systems.NET Services.





HMI Mobile components for pocket PC applications.

- 100% managed .NET components for Visual Studio 2005 applications.
 - Button
 - CheckBox
 - ComboBox
 - Label
 - ListBox
 - NumericUpDown
 - TextBox
 - TrackBar
 - Data
 - And more ...



- Deploy to devices running Windows Mobile 2003 or Windows Mobile 5.0.



- Update properties dynamically with no code.
 - Text
 - BackColor
 - ForeColor
 - Size
 - Location
 - Enabled
 - Visible
 - Checked
 - And more
- Write data with entry events with no code.



- Use any compatible image file to Visual Studio including free symbols provided with installation.



- Use the Data component to read and write values from remote licensed OPC Systems.NET Services.

```
Dim Tags(2) As String
  Tags(0) = NetworkPath + "Ramp.Value"
  Tags(1) = NetworkPath + "Sine.Value"
  Tags(2) = NetworkPath + "Random.Value"
  OpcMobileData.AddTags(Tags)
```

```
Private Sub OpcMobileData_ValuesChangedWithTimeStamp _
  (ByVal Tag As String, _
  ByVal Value As Object, _
  ByVal Quality As Boolean, _
  ByVal TimeStamp As Date) _
  Handles OpcMobileData.ValuesChangedWithTimeStamp
```



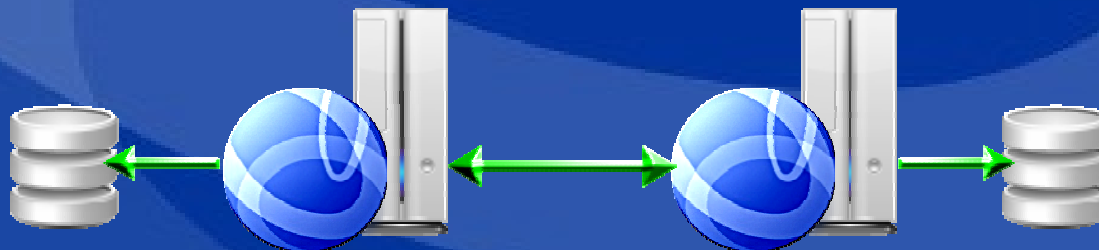
- Each licensed OPC Systems.NET Service provides unlimited remote applications.
- Each OPC Mobile.NET application can communicate to multiple licensed OPC Systems.NET Services.



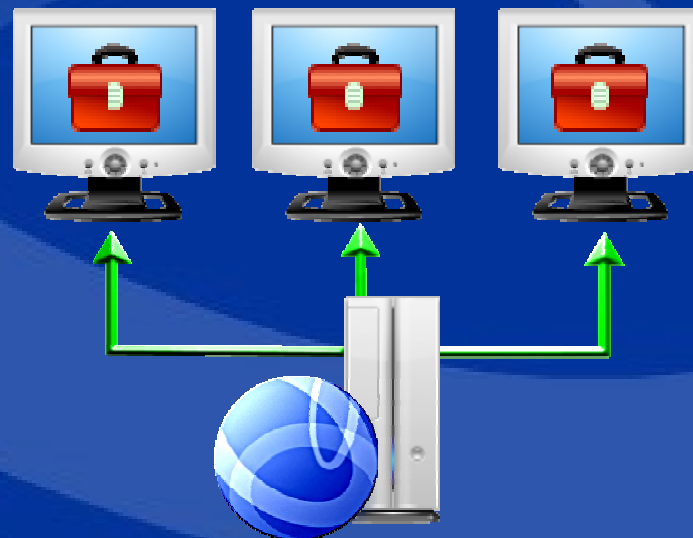


Data logging service to SQL Server, Oracle, Access, and CSV files.

- OPC Database.NET can log data from the local or remote OPC Systems.NET Tags.
- If a network connection is lost data is buffered until the connection can be restored.



- Modify all data logging properties from local or remote systems using free configure application or free programmatic interface with your own Visual Studio application.
- All properties can be changed during runtime



- Change properties automatically based on OPC and Tag values.
 - Logging Active
 - Server Name
 - Database Name
 - Table Name
 - CSV Path
 - CSV File Name



- Each logging group can execute one of three execution types.
 - Continuously as fast as 10 milliseconds
 - Event driven from local or remote Tag
 - At a specific time of day
- Log multiple Tags per field.
- Log each Tag in multiple logging groups.

- Each licensed OPC Systems.NET Service can log from unlimited remote OPC Systems.NET Services.





Report generation from any standard database source including OPC Database.NET and OPC Alarm.NET.

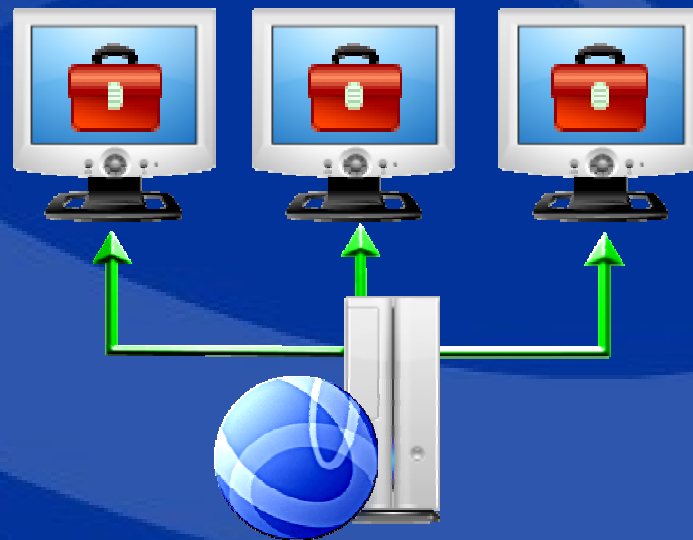
- Generate reports to multiple output types.
 - Acrobat Reader PDF
 - Web page HTML
 - Microsoft Word RTF
 - Microsoft Excel
 - Text
 - Printer
- Use any standard database source.
 - SQL Server
 - Oracle
 - Access
 - SQL Select Statements



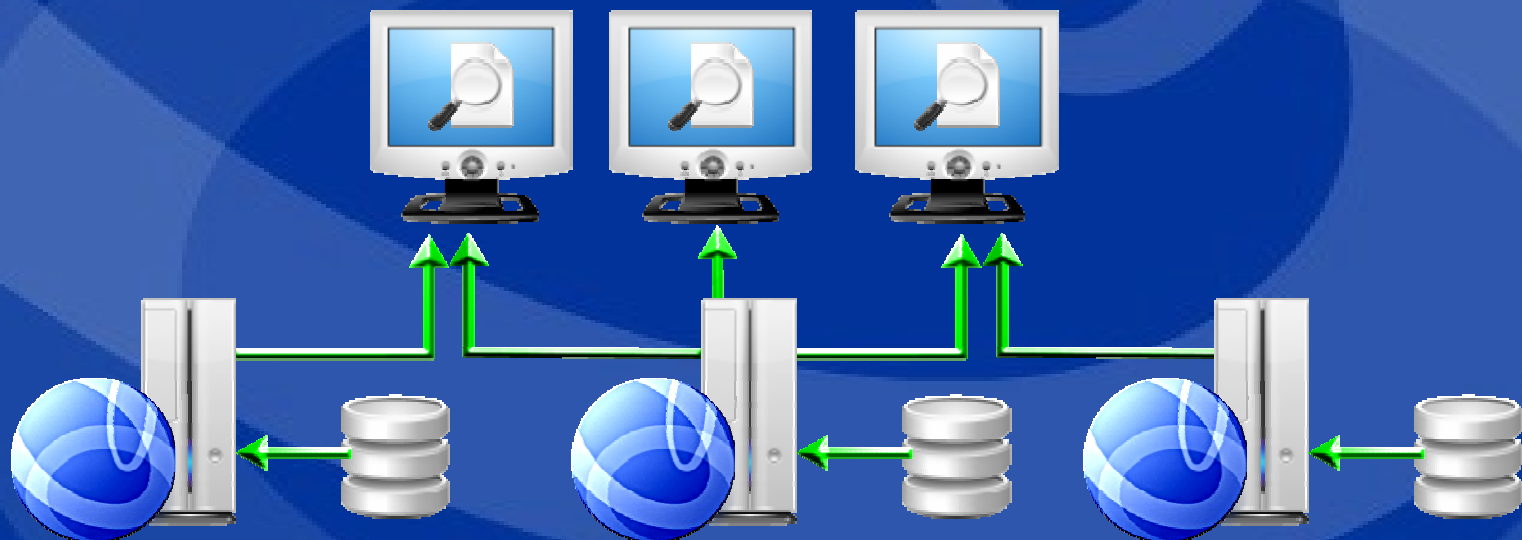
- Create reports automatically.
 - Event driven from Tag value
 - Specific time of day
 - Continuously at specific interval
- View and create reports using manual report viewer.
 - Install for free on remote systems
 - Specify any date range or query statement



- Modify all automated report configurations from local or remote systems using free configure application or free programmatic interface with your own Visual Studio application.
- All properties can be changed during runtime



- The Report Viewer application can be installed on multiple remote systems.
- Each licensed OPC Systems.NET Service can automatically generate reports.



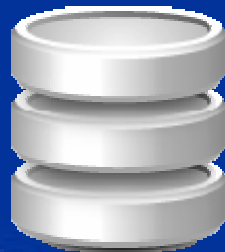


Data transfer from databases to OPC for event driven batch applications or continuous real-time transfer.

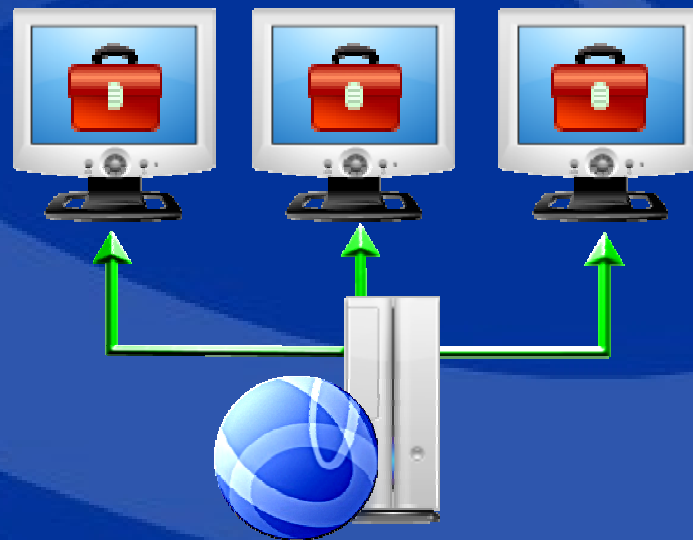
- Choose from three different formats of database source.
 - Map database fields to Tags.
 - Automatically manage queued records.
 - Specify all Tags and values in table with just two fields.
- Use confirmation and error Tags to provide feedback to requesting OPC device.



- Use multiple data sources.
 - SQL Server.
 - Oracle.
 - Access.
- Specify additional query and order statements.



- Modify all recipe configurations from local or remote systems using free configure application or free programmatic interface with your own Visual Studio application.
- All properties can be changed during runtime



- Each licensed OPC Systems.NET Service can send data to unlimited local and remote Tags.



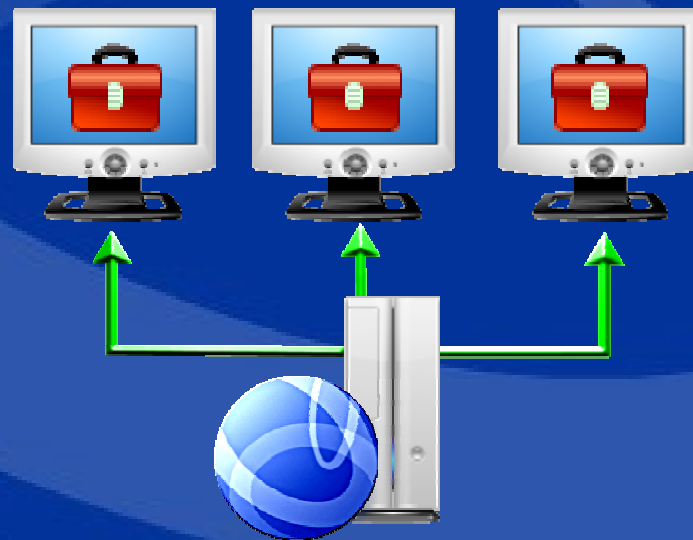


Transfer data from OPC Item to OPC Item
through OPC Systems.NET Tags.

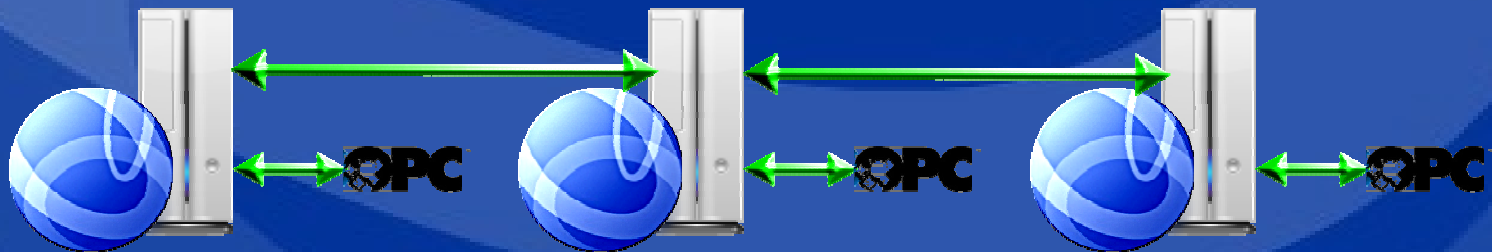
- Select desired data source.
 - Fixed Value
 - OPC Item
 - Local or remote Tag
 - Calculation with multiple local and remote Tags
- Each Tag can define a destination as an OPC Item.
- Supports one to one, one to many, and many to one data transfers.



- Modify all Tag configurations from local or remote systems using free configure application or free programmatic interface with your own Visual Studio application.
- All properties can be changed during runtime

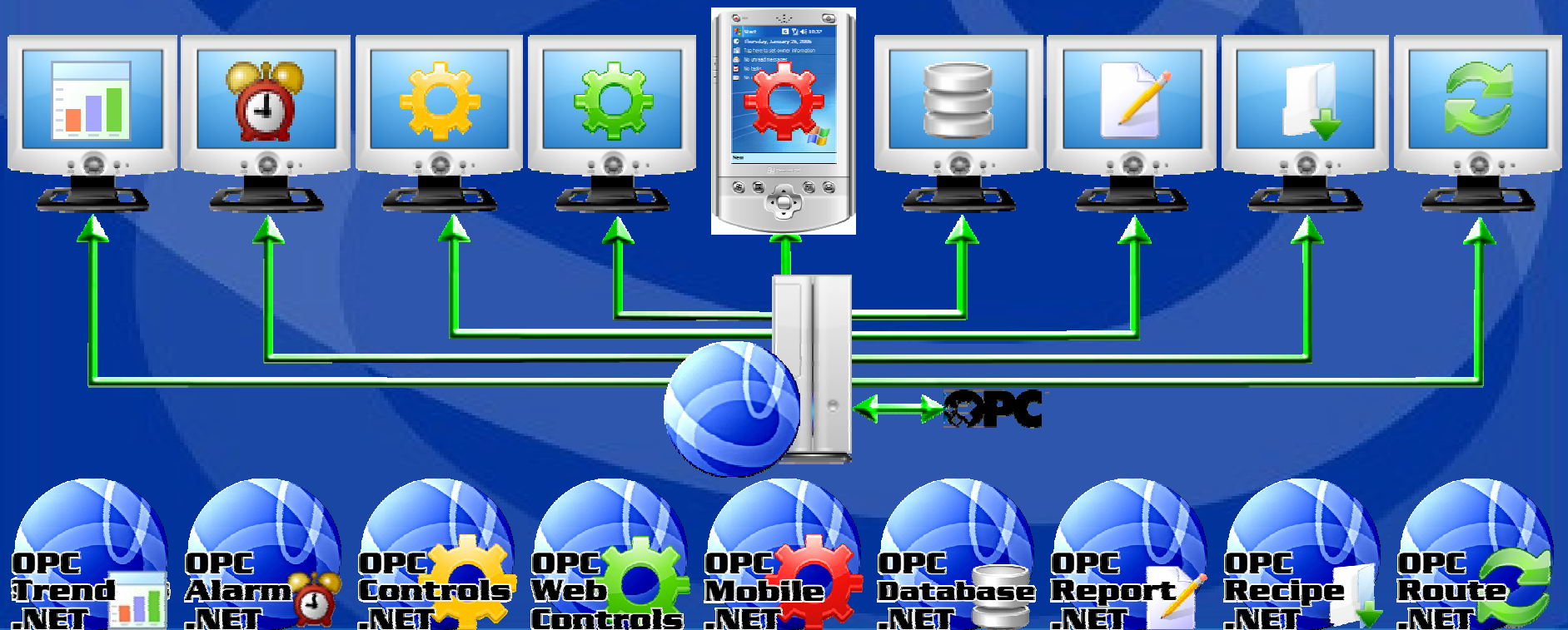


- Each licensed OPC Systems.NET Service can send data to OPC Items locally.
- By implementing .NET Remoting data can be transferred anywhere in the world with no need for DCOM configuration.



.NET Remoting

- OPC Systems.NET does more than just tunnel OPC data.
- All communications implements .NET Remoting and Web Services to provide event driven data to global networked systems.



Step Into the Future with OPC Systems.NET



- Visit www.opcsystems.com to download.
- Visit www.microsoft.com for Visual Studio.
- Contact your local distributor to purchase.