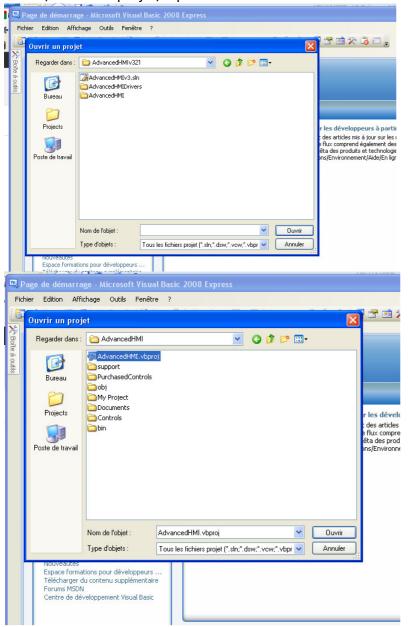
ADVANCED HMI

Lancer AdvancedHMI:

Lancer Visual basic express 2008:

Fichier/Ouvrir un projet/repertoire AdvancedHMI



Ouvrir.

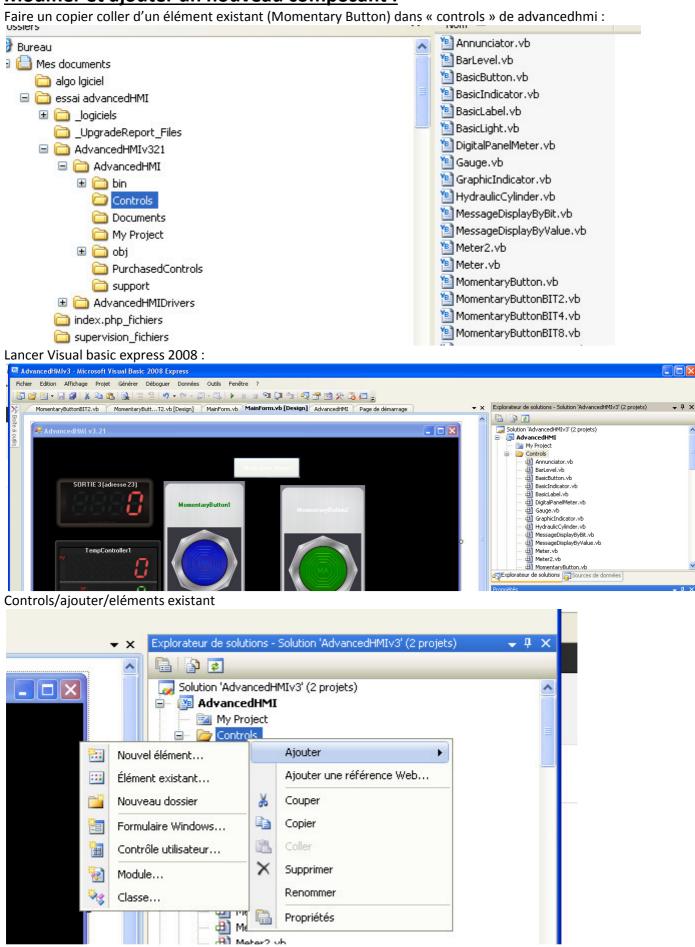
Générer/

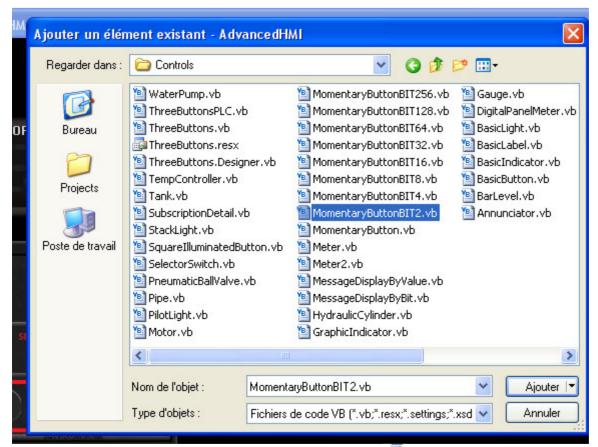


Les différents objets ont été générés dans la boîte à outils.

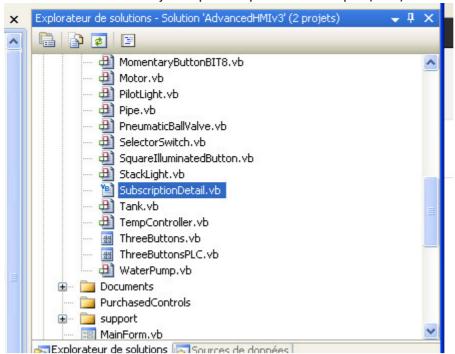
Modifier et ajouter un nouveau composant :

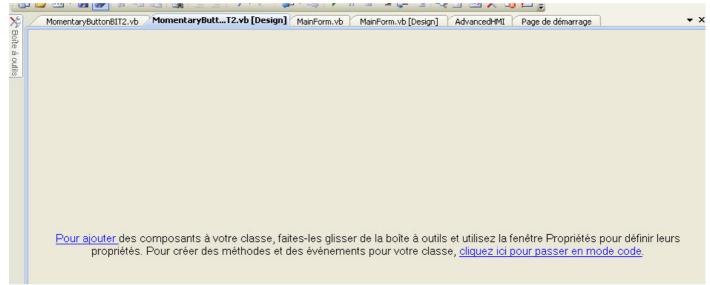
Sélectionner l'élément en vb que vous avez ajoutez à Controls :



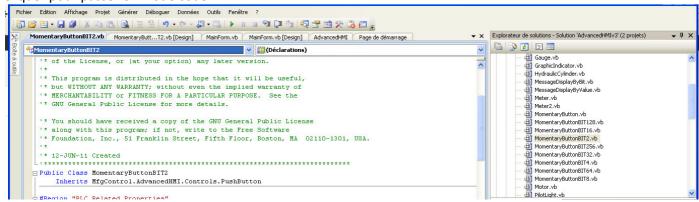


Double clic sur l'élément ajouté qui n'est pas encore compilé (📜)





Cliquer pour passer en mode code :



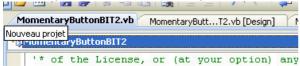
Changer Public Class pour qu'elle corresponde au nom donné à l'objet, ici, MomentaryButtonBIT2 Grâce à cette modif, le bouton enverra la valeur 2

```
#Region "Events"
中中
     . . .
     Private Sub MomentaryButton_MouseDown(ByVal sender As Object, ByVal e As System.Windows.Forms.MouseEvent
          If m PLCaddressClick <> "" And Enabled Then
             Try
                  Select Case MyBase.OutputType
                      Case OutputTypes.MomentarySet : _CommComponent.WriteData(m_PLCaddressClick, 2)
                     Case OutputTypes.MomentaryReset : _CommComponent.WriteData(m_PLCaddressClick, 0)
                     Case OutputTypes.SetTrue : _CommComponent.WriteData(m_PLCaddressClick, 2)
                     Case OutputTypes.SetFalse : _CommComponent.WriteData(m_PLCaddressClick, 0)
                      Case OutputTypes.Toggle
                          Dim CurrentValue As Boolean
                          CurrentValue = CommComponent.ReadAny(m PLCaddressClick)
                          If CurrentValue Then
                              _CommComponent.WriteData(m_PLCaddressClick, 0)
                               _CommComponent.WriteData(m_PLCaddressClick, 2)
                          End If
                  End Select
             Catch ex As MfgControl.AdvancedHMI.Drivers.common.PLCDriverException
                  If ex.ErrorCode = 1808 Then
                     DisplayError (""" & m PLCaddressClick & """ PLC Address not found")
                     DisplayError(ex.Message)
                  End If
             End Trv
```

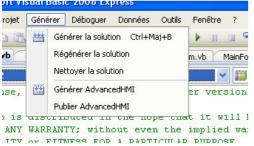
```
'* Event - Mouse Up
. ****************
Private Sub MomentaryButton MouseUp(ByVal sender As Object, ByVal e As System.Windows.Forms.MouseEvent
    If m_PLCaddressClick <> "" And Enabled Then
        Trv
           Select Case MyBase.OutputType
               {\tt Case\ OutputTypes.MomentarySet\ :\ \_CommComponent.WriteData(m\_PLCaddressClick,\ 0)}
               Case OutputTypes.MomentaryReset : _CommComponent.WriteData(m_PLCaddressClick, 2)
           End Select
        Catch ex As MfgControl.AdvancedHMI.Drivers.common.PLCDriverException
           If ex.ErrorCode = 1808 Then
               DisplayError("""" & m_PLCaddressClick & """ PLC Address not found")
               DisplayError(ex.Message)
           End If
        End Try
    End If
```

Enregistrer.

L'astérisque à côté de MomentaryButtonBIT2.vb disparaît.



Puis générer advanced hmi pour effectuer la compilation :



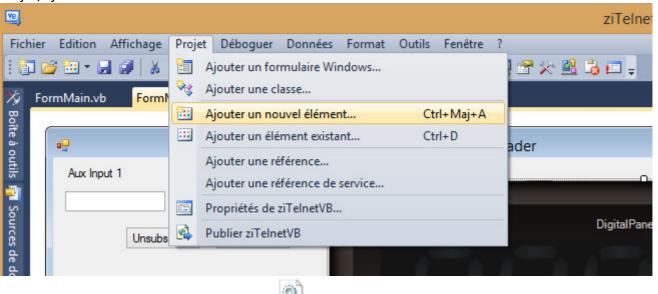
Ajouter un nouvel onglet pour y déposer vos créations par exemple :

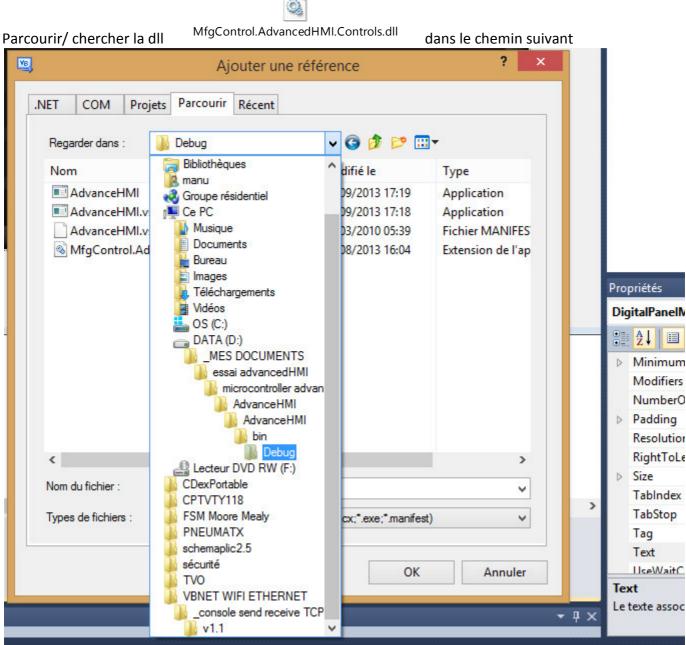


Ajouter les composants de advancedHMI à Visual basic express 2010

Ouvrir vb express 2010

Projet/ajouter une référence

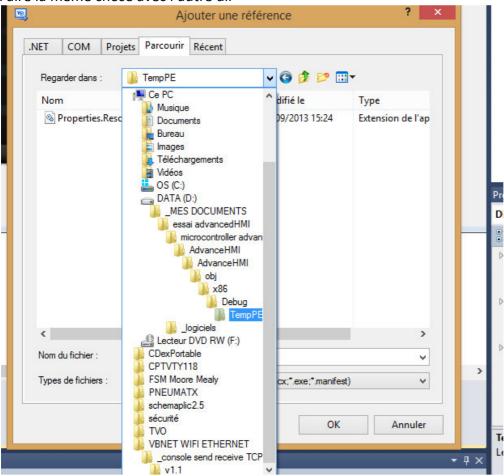






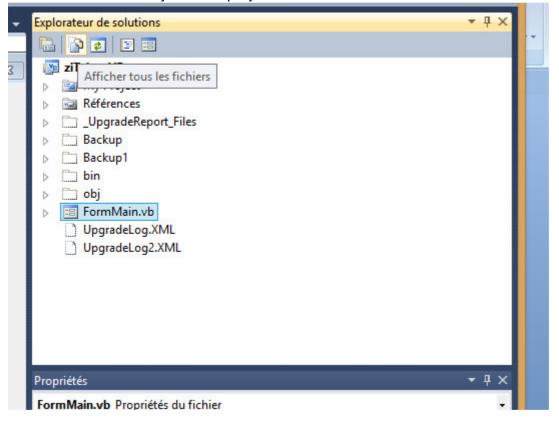
Faire la même chose avec l'autre dll

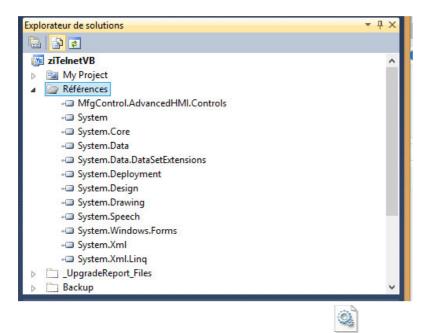
Properties.Resources.Designer.cs.dll



OK

Visualiser la référence ajoutée au projet :





MfgControl.AdvancedHMI.Controls.dll Faire glisser une copie de la dll

dans la boite à outil/Boites de

📗 DotNetBar for Windows Forms 🗸 😉 🥬 📂 🔠▼

Fichiers composants (*.dll;*.tlb;*.olb;*.ocx;*.exe;*.manifest)

Modifié le

02/03/2014 13:50

02/03/2014 13:50

02/06/2007 16:07

01/03/2014 12:10

01/03/2014 12:10

01/03/2014 12:10

02/08/2007 21:23

01/03/2014 12:10

01/03/2014 12:10

01/03/2014 12:10

04/04/2007 16:33

04/04/2007 16:33

19/02/2013 18:58

18/05/2009 11:13

Type

Dossier de fic

Dossier de fic

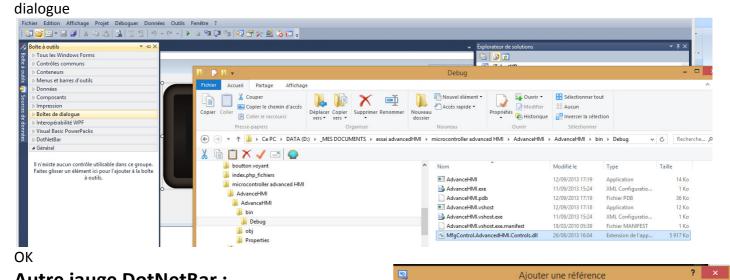
Extension de l

Application

Extension de l

Extension de l

Application 🗸



Autre jauge DotNetBar :

Même méthode.

Installer la version d'essai de Projet/ajouter une référence : Prendre les dll DevComponents uniquement

DotNetBarSetupTrial.msi

Vérifier les références ajoutées au projet.



Faire glisser la dll

DevComponents.DotNetBar2.dll

dans Boites à outils/Boites de dialogue.

.NET COM Projets Parcourir Récent

DevComponents.DotNetBar.DLL

DevComponents.DotNetBar2.dll

■ DevComponents.TreeGX.dll

RunDotNetBarSampleExplorer

DevComponents.Instrumentation.dll

DevComponents.SuperGrid.Design.dll

DevComponents.DotNetBar.Keyboard.dll

DevComponents.DotNetBar.Schedule.dll

DevComponents.DotNetBar.SuperGrid.dll

Images

Samples

■ DnbTBReg

@ envdte.dll

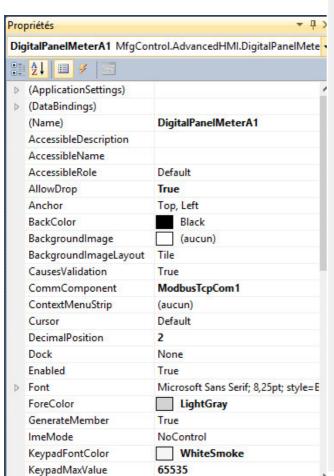
Nom du fichier

NgenInstaller.dll

Penser à rajouter les références à chaque nouveau projet pour les DotNetBar.

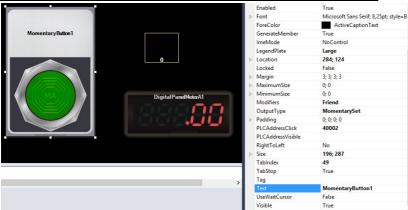
Digital panel: à 10-2 près





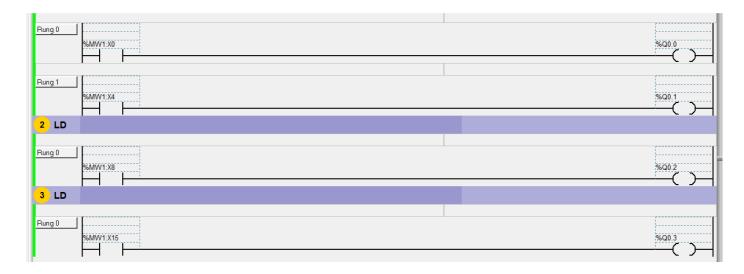
KeypadMaxValue	65535	
KeypadMinValue	-400	
KeypadScaleFactor	0,01	
KeypadText		
KeypadWidth	300	
Location	542; 307	
Locked	False	
Margin	3; 3; 3; 3	
MaximumSize	0; 0	
MinimumSize	0; 0	
Modifiers	Friend	
NumberOfDigits	5	
Padding	0; 0; 0; 0	
PLCAddressKeypad	40002	
PLCAddressText		
PLCAddressValue	40002	
PLCAddressVisible		
Resolution	0,001	
RightToLeft	No	
Size	247; 107	
TabIndex	56	
TabStop	True	
Tag		
Text	DigitalPanelMeterA1	
UseWaitCursor	False	
Value	0	
ValueScaleFactor	1	
Visible	True	

Adresse Modbus rtu advancedHMI/twido:

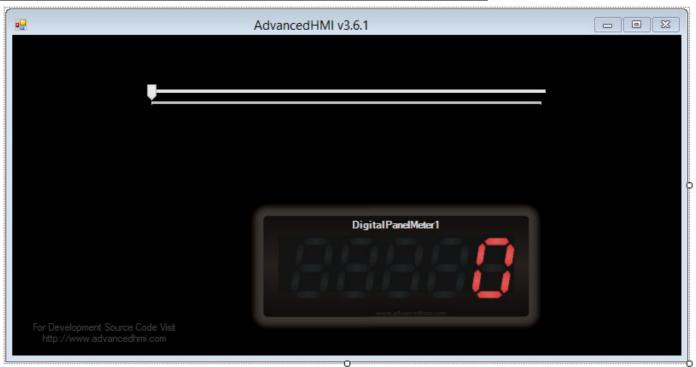


L'adresse 40002 correspond à l'adresse

Twido %MW1



Utiliser la trackbar pour piloter une valeur analogique :

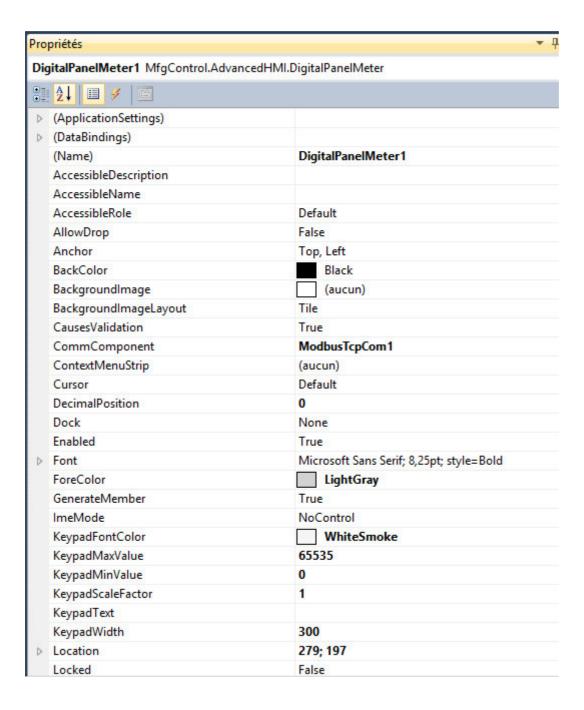


Paramètres trackbar:

Propriétés	1.
TrackBar1 System.Windows.Forms.TrackBar	
2↓ □ ✓ □	

	(ApplicationSettings)	H. Comment of the com
>	(DataBindings)	
	(Name)	TrackBar1
	AccessibleDescription	II de Rodi I
	AccessibleName	
	AccessibleRole	Default
	AllowDrop	False
	Anchor	Top, Left
	Anchor	True
	BackColor	Black
	Causes Validation	True
	ContextMenuStrip Cursor	(aucun) Default
	Dock	None
	Enabled Consent March 20	True
	GenerateMember	True
	LargeChange	5
>	Location	150; 56
	Locked	False
>	Margin	3; 3; 3; 3
	Maximum	4096
>	MaximumSize	0; 0
	Minimum	0
>	MinimumSize	0; 0
	Modifiers	Friend
	Orientation	Horizontal
	RightToLeft	No
	RightToLeftLayout	False
>	Size	483; 45
	SmallChange	1
	SmallChange	1
	Tablndex	5
	TabStop	True
	Tag	_
	TickFrequency	1
	TickStyle	BottomRight
	UseWaitCursor	False
	Value	0
	Visible	True

l Paramètre digitalpanelmeter :



\triangleright	Margin	3; 3; 3; 3
\triangleright	MaximumSize	0; 0
\triangleright	MinimumSize	0; 0
	Modifiers	Friend
	NumberOfDigits	5
\triangleright	Padding	0; 0; 0; 0
	PLCAddressKeypad	40002
	PLCAddressText	
	PLCAddressValue	40002
	PLCAddressVisible	
	Resolution	1
	RightToLeft	No
\triangleright	Size	341; 148
	TabIndex	4
	TabStop	True
	Tag	
	Text	DigitalPanelMeter1
	UseWaitCursor	False
	Value	0
	ValueScaleFactor	1
	Visible	True

Valider l'option keypad

Programme sur la main form :

```
□ Public Class MainForm
     Dim valeur As Integer
     Dim result As String
     '* Stop polling when the form is not visible in order to reduce communications
     '* Copy this section of code to every new form created
     Private Sub Form_VisibleChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.VisibleChanged
          If components IsNot Nothing Then
              Dim drv As AdvancedHMIDrivers.IComComponent
              '* Search for comm components
              For i As Integer = 0 To components.Components.Count - 1
                  If components.Components(i).GetType.GetInterface("AdvancedHMIDrivers.IComComponent") IsNot Nothing Then
                      drv = components.Components.Item(i)
                       '* Stop/Start polling based on form visibility
                      drv.DisableSubscriptions = Not Me.Visible
                  End If
              Next
         End If
     End Sub
     '* This will guarantee that even hidden forms are all closed
     ^{\prime\,\ast} when the main application is closed
      'Private Sub DemoForm_FormClosed(ByVal sender As Object, ByVal e As System.Windows.Forms.FormClosedEventArgs) Handles Me.FormClosed
          Environment.Exit(0)
      'End Sub
     ****************
     '* Filling the form with a gradient
     Private Sub MainForm_Paint(sender As Object, e As System.Windows.Forms.PaintEventArgs) Handles Me.Paint
          'Dim rect As New System.Drawing.Rectangle(0, 0, e.ClipRectangle.Width, e.ClipRectangle.Height)
'Dim gradientBrush As New Drawing.Drawing2D.LinearGradientBrush(New Point(0, 0), New Point(0, Height),
          'System.Drawing.Color.FromArgb(180, 100, 200), System.Drawing.Color.FromArgb(110, 200, 255))
           e.Granhics.FillRectangle(gradientBrush. rect)
```

```
'System.Drawing.Color.FromArgb(180, 100, 200), System.Drawing.Color.FromArgb(110, 200, 255))
'e.Graphics.FillRectangle(gradientBrush, rect)

End Sub

Private Sub TrackBar1_Scroll(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TrackBar1.Scroll
valeur = TrackBar1.Value
result = valeur.ToString
DigitalPanelMeter1.PLCAddressKeypad = result
DigitalPanelMeter1.CommComponent.Write(40002, valeur)

End Sub

Private Sub DigitalPanelMeter1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles DigitalPanelMeter1.Click
End Sub
End Class
```

On utilise l'adresse du keypad interposée pour afficher la valeur de la trackbar en 40002 et commcomponent pour envoyer la valeur de la trackbar.