Private Declare Sub Sleep Lib "kernel32" (ByVal dwMilliseconds As Long)

Dim buf As String, Out As Integer, OUT1 As Integer, a As Integer

Dim Val1 As Integer, Val2 As Integer, Val3 As Integer, Val4 As Integer, VAL0, VAL5, VAL6 As Integer

Private Sub Command1\_Click()

Form1.Hide

Form2.Show

End Sub

Private Sub Form\_Load()

'Form2.WebBrowser1.Navigate "about:<html><body scroll='no' bgcolor=green><FONT SIZE='15' FACE='cooper black' COLOR=white><center><MARQUEE WIDTH=70% BEHAVIOR=ALTERNATE BGColor=green>GREEN RADIO TECHNOLOGY</MARQUEE></center><img src ='D:\vb2017\B-59-GREEN-RADIO\new1.jpg' width=1340 height=100><br><center><MARQUEE WIDTH=55% BEHAVIOR=scroll>Wind and Solar Hybrid Generation</marquee></img></br></FONT></body></html>"

FindComPort

MSComm1.Output = "{27}"

Sleep 100

MSComm1.Output = "{1D00}"

Sleep (100)

MSComm1.Output = "{1AFF}"

Sleep (100)

'Form3.Data1.DatabaseName = App.Path & "\hybrid.mdb"

' Form3.Data1.RecordSource = "hybrid"

Line5.Visible = False

Line37.Visible = False

Line38.Visible = False

Line10.Visible = False

Line39.Visible = False

Line40(0).Visible = False

Line1.Visible = False

Line41.Visible = False

Line42.Visible = False

Line4.Visible = False

Line3.Visible = False

Line2.Visible = False

Line22.Visible = False

Line45.Visible = False

Line46.Visible = False

Line19.Visible = False

Line43.Visible = False

Line44.Visible = False

Line16.Visible = False

Line47.Visible = False

Line48.Visible = False

Line13.Visible = False

Line50.Visible = False

Line49.Visible = False

Line25.Visible = False

Line31.Visible = False

Line26.Visible = False

Line32.Visible = False

Line27.Visible = False

Line33.Visible = False

Line28.Visible = False

Line34.Visible = False

Line29.Visible = False

Line35.Visible = False

Line30.Visible = False

Line36.Visible = False

' Timer14.Enabled = False

' Timer3.Enabled = False

' Timer4.Enabled = False

' Timer5.Enabled = False

' Timer12.Enabled = False

Label25.Visible = False

Label26.Visible = False

Label27.Visible = False

Label2.Visible = True

Text2.Visible = True

Label23.Visible = False

End Sub

Private Sub Form\_Unload(Cancel As Integer)

MSComm1.Output = "{5D00}"

Sleep (100)

End

End Sub

Private Sub Timer1\_Timer()

Label15.Caption = Date

Label16.Caption = Time

Text5.Text = Analog(0)

Text5.Text = Round(Val(Text5.Text) / 3.9)

Text6.Text = Round(Analog(1) \* 8.2)

Text6.Text = Text6.Text - 250

If Text6.Text < 0 Then

Text6.Text = 0

End If

Text1.Text = Analog(3) / 7.8

Text1.Text = Round(Val(Text1.Text))

Text2.Text = Analog(4) / 10

Text2.Text = Round(Val(Text2.Text))

''

Text2.Text = Round((Val(Text2.Text) / Val(Text1.Text)) \* 100)

Text3.Text = Analog(5)

Text4.Text = Analog(2)

If Val(Text4.Text) < 1 Then

Text4.Text = 0

End If

Text7.Text = Round(Val(Text5.Text) \* (Val(Text6.Text) / 50) / 2.5)

If Text5.Text < 1 Then

Text5.Text = 0

End If

Form2.Text3.Text = Round(Analog(7) / 36)

Text3.Text = Analog(5)

Form2.Text7.Text = Round(Analog(6) / 20)

Form2.Text7.Text = Form2.Text7.Text

If Form2.Text7.Text < 0 Then

Form2.Text7.Text = 0

End If

Form1.Text4.Text = Analog(2)

' Form1.Text1.Text = Round(Val(Form2.Text7.Text) \* Val(Form1.Text4.Text) / 100)

' If Val(Form2.Text7.Text) <= 10 Then

' Form1.Text3.Text = 120

' ElseIf Val(Form2.Text7.Text) > 10 And Val(Form2.Text7.Text) <= 20 Then

' Form1.Text3.Text = 150

' ElseIf Val(Form2.Text7.Text) > 20 And Val(Form2.Text7.Text) <= 30 Then

' Form2.Text3.Text = 250

' ElseIf Val(Form2.Text7.Text) > 30 And Val(Form2.Text7.Text) <= 40 Then

' Form2.Text3.Text = 500

' ElseIf Val(Form2.Text7.Text) > 40 And Val(Form2.Text7.Text) <= 50 Then

' Form2.Text3.Text = 700

' End If

End Sub

Function Analog(no As Integer)

MSComm1.Output = "{4" & CStr(no) & "}"

Sleep 100

buf = MSComm1.Input

If (buf <> "") Then

Analog = CInt(Mid$(buf, 2, 4))

Else

Analog = 0

End If

End Function

Public Sub FindComPort()

On Error GoTo Port2

If (MSComm1.PortOpen = True) Then MSComm1.PortOpen = False

MSComm1.CommPort = 1

MSComm1.PortOpen = True

MSComm1.Output = "{3D}"

Sleep (100)

buf = MSComm1.Input

If (Len(buf) > 2) Then Exit Sub

Port2:

On Error GoTo Port3

If (MSComm1.PortOpen = True) Then MSComm1.PortOpen = False

MSComm1.CommPort = 2

MSComm1.PortOpen = True

MSComm1.Output = "{3D}"

Sleep (100)

buf = MSComm1.Input

If (Len(buf) > 2) Then Exit Sub

Port3:

On Error GoTo Port4

If (MSComm1.PortOpen = True) Then MSComm1.PortOpen = False

MSComm1.CommPort = 3

MSComm1.PortOpen = True

MSComm1.Output = "{3D}"

Sleep (100)

buf = MSComm1.Input

If (Len(buf) > 2) Then Exit Sub

Port4:

On Error GoTo InvalidPort

If (MSComm1.PortOpen = True) Then MSComm1.PortOpen = False

MSComm1.CommPort = 4

MSComm1.PortOpen = True

MSComm1.Output = "{3D}"

Sleep (100)

buf = MSComm1.Input

If (Len(buf) > 2) Then Exit Sub

InvalidPort:

MsgBox "SUbstation couldn't find in Com1 - Com4", vbCritical, "Communication Error."

End

End Sub

Private Sub Timer11\_Timer()

If Val(Text4.Text) > 40 Then

Line5.Visible = True

Line37.Visible = True

Line38.Visible = True

Line10.Visible = True

Line39.Visible = True

Line40(0).Visible = True

Line1.Visible = True

Line41.Visible = True

Line42.Visible = True

Line4.Visible = True

Line3.Visible = True

Line2.Visible = True

ElseIf Val(Text4.Text) <= 40 Then

Line5.Visible = False

Line37.Visible = False

Line38.Visible = False

Line10.Visible = False

Line39.Visible = False

Line40(0).Visible = False

Line1.Visible = False

Line41.Visible = False

Line42.Visible = False

Line4.Visible = False

Line3.Visible = False

Line2.Visible = False

End If

End Sub

Private Sub Timer12\_Timer()

If Val(Text7.Text) > 50 And Val(Text7.Text) < 100 Then

Line25.Visible = True

Line31.Visible = True

Else

Line25.Visible = False

Line31.Visible = False

End If

If Val(Text7.Text) > 100 And Val(Text7.Text) < 200 Then

Line25.Visible = True

Line31.Visible = True

Line26.Visible = True

Line32.Visible = True

Else

Line26.Visible = False

Line32.Visible = False

End If

If Val(Text7.Text) > 200 And Val(Text7.Text) < 300 Then

Line25.Visible = True

Line31.Visible = True

Line26.Visible = True

Line32.Visible = True

Line27.Visible = True

Line33.Visible = True

Else

Line27.Visible = False

Line33.Visible = False

End If

If Val(Text7.Text) > 300 And Val(Text7.Text) < 400 Then

Line25.Visible = True

Line31.Visible = True

Line26.Visible = True

Line32.Visible = True

Line27.Visible = True

Line33.Visible = True

Line28.Visible = True

Line34.Visible = True

Else

Line28.Visible = False

Line34.Visible = False

End If

If Val(Text7.Text) > 400 Then

Line25.Visible = True

Line31.Visible = True

Line26.Visible = True

Line32.Visible = True

Line27.Visible = True

Line33.Visible = True

Line28.Visible = True

Line34.Visible = True

Line29.Visible = True

Line35.Visible = True

Else

Line29.Visible = False

Line35.Visible = False

End If

If Val(Text7.Text) > 700 Then

Line25.Visible = True

Line31.Visible = True

Line26.Visible = True

Line32.Visible = True

Line27.Visible = True

Line33.Visible = True

Line28.Visible = True

Line34.Visible = True

Line29.Visible = True

Line35.Visible = True

Line30.Visible = True

Line36.Visible = True

Line22.Visible = True

Line45.Visible = True

Line46.Visible = True

Line19.Visible = True

Line43.Visible = True

Line44.Visible = True

Line16.Visible = True

Line47.Visible = True

Line48.Visible = True

Line13.Visible = True

Line50.Visible = True

Line49.Visible = True

Shape2.BackColor = vbGreen

Else

Shape2.BackColor = vbRed

Line30.Visible = False

Line36.Visible = False

Line22.Visible = False

Line45.Visible = False

Line46.Visible = False

Line19.Visible = False

Line43.Visible = False

Line44.Visible = False

Line16.Visible = False

Line47.Visible = False

Line48.Visible = False

Line13.Visible = False

Line50.Visible = False

Line49.Visible = False

End If

End Sub

'

'Private Sub Timer14\_Timer()

'Line6.Visible = True

'Line2.Visible = True

'Line7.Visible = True

'Line37.Visible = True

'Line38.Visible = True

'End Sub

Private Sub Timer2\_Timer()

If Val(Text1.Text) > 40 Then

Out = Out Or &H1

Shape1.BackColor = vbGreen

Else

Out = Out And &HFE

Shape1.BackColor = vbRed

End If

If Val(Text7.Text) > 800 Then

Out = Out Or &H2

' MSComm1.Output = "{5B10}"

Shape2.BackColor = vbGreen

Else

Out = Out And &HFD

Shape2.BackColor = vbRed

End If

If Val(Form1.Text3.Text) < 250 Then

Out = Out Or &H4

Shape3.BackColor = vbGreen

Else

Out = Out And &HFB

Shape3.BackColor = vbRed

End If

If Val(Text4.Text) > 40 Then

Out = Out Or &H8

Shape4.BackColor = vbGreen

Else

Out = Out And &HF7

Shape4.BackColor = vbRed

End If

If Val(Text7.Text) > 50 Then

Label25.Visible = True

Label25.BackColor = &HFF00FF

Label26.BackColor = &HE0E0E0

Label26.Visible = False

ElseIf Val(Text7.Text) < 50 Then

Label26.BackColor = vbGreen

Label25.BackColor = &HE0E0E0

Label26.Visible = True

Label25.Visible = False

End If

If Val(Text4.Text) > 40 Then

Label27.Visible = True

Label25.Visible = False

'Line22.Visible = True

'Line19.Visible = True

'Line16.Visible = True

'Line13.Visible = True

'Line50.Visible = True

'Line49.Visible = True

'Line48.Visible = True

'Line47.Visible = True

'Line43.Visible = True

'Line44.Visible = True

'Line45.Visible = True

'Line46.Visible = True

Label27.BackColor = &HC0&

Label25.Visible = False

Label26.Visible = False

Else

'Line22.Visible = False

'Line19.Visible = False

'Line16.Visible = False

'Line13.Visible = False

'Line50.Visible = False

'Line49.Visible = False

'Line48.Visible = False

'Line47.Visible = False

'Line43.Visible = False

'Line44.Visible = False

'Line45.Visible = False

'Line46.Visible = False

Label27.Visible = False

End If

If Len(CStr(Hex(Out))) <> 2 Then

MSComm1.Output = "{5D0" & CStr(Hex(Out)) & "}"

Sleep (100)

Else

MSComm1.Output = "{5D" & CStr(Hex(Out)) & "}"

Sleep (100)

End If

End Sub

'

'Private Sub Timer3\_Timer()

'Line11.Visible = True

'Line12.Visible = True

'Line10.Visible = True

'Line39.Visible = True

'Line40.Visible = True

'End Sub

'

'Private Sub Timer4\_Timer()

'Line3.Visible = True

'Line4.Visible = True

'Line1.Visible = True

'Line41.Visible = True

'Line42.Visible = True

'End Sub

'

'Private Sub Timer5\_Timer()

'Line8.Visible = True

'Line9.Visible = True

'Line5.Visible = True

'Shape4.BackColor = vbGreen

'End Sub

Dim sx1, sx2, sx3, ex1, ex2, ex3, sy1, sy2, sy3, ey1, ey2, ey3, a As Integer

Private Declare Sub Sleep Lib "kernel32" (ByVal dwMilliseconds As Long)

Private Sub Command1\_Click()

Form2.Hide

Form1.Show

End Sub

Private Sub Command2\_Click()

Form2.Show

Form3.Show

End Sub

Private Sub Form\_Load()

Form2.Text7.Text = 10

'Form2.Text2.Text = 10

Form2.Text3.Text = 10

'WebBrowser1.Navigate "about:<html><body scroll='no' bgcolor=green><FONT SIZE='25' FACE='Colonna MT' COLOR=white><center><MARQUEE STYLE=overflow WIDTH=70% BEHAVIOR=scroll scrollamount=10 BGColor=green>RENEWABLE ENERGY</MARQUEE></center><img src = 'D:\vb2017\B-59-GREEN-RADIO\new1.jpg' width=1340 height=100><br><center><MARQUEE WIDTH=90% BEHAVIOR=alternate>Wind and Solar Hybrid Generation</marquee></img></br></FONT></body></html>"

'If (Form2.Text7.Text = 0) Then

' WebBrowser2.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='15' FACE='cooper black' COLOR=white> Wind Energy<font color=green><br><img src ='D:\PROJECTS\GREENRADIO JEPPIAR\vertical.jpg' width=200 height=200><br><img src ='D:\vb2017\B-59-GREEN-RADIO\windmill1.jpg' width=200 height=200></center></img></br></FONT></body></html>"

' Else

' WebBrowser2.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='15' FACE='cooper black' COLOR=white> Wind Energy<font color=green><br><img src ='D:\PROJECTS\GREENRADIO hybrid JEPPIAR\vertical.gif' width=200 height=200><br><img src ='D:\vb2017\B-59-GREEN-RADIO\windmill1.gif' width=200 height=200></center></img></br></FONT></body></html>"

' End If

' WebBrowser3.Navigate "about:<html><body scroll='no' bgcolor=green><FONT SIZE='15' FACE='cooper black' COLOR=white> <center>Solar Energy<br><font color=green><img src ='D:\vb2017\B-59-GREEN-RADIO\solaar.gif' width=300 height=300></center></img></br></FONT></body></html>"

sx1 = Line2.X1

sy1 = Line1.Y2

'sx2 = Line4.X1

'sy2 = Line3.Y2

End Sub

Private Sub Form\_Unload(Cancel As Integer)

End

End Sub

Private Sub Timer1\_Timer()

a = Val(Form2.Text7.Text) + Val(Form2.Text3.Text) + Val(Form1.Text3.Text)

ex1 = sx1 + 100

ey1 = Line1.Y2 - (a / 1200) \* (Line1.Y2 - Line1.Y1)

Line (sx1, sy1)-(ex1, ey1), vbBlue

sx1 = ex1

sy1 = ey1

If (sx1 > Line2.X2 - 50) Then

Line (Line1.X1, Line1.Y1)-(Line2.X2, Line2.Y2), Me.BackColor, BF

sx1 = Line2.X1

sy1 = ey1

Line1.Refresh

Line2.Refresh

End If

If Text7.Text > 7 Then

Picture1.Visible = True

Picture2.Visible = False

Else

Picture2.Visible = True

Picture1.Visible = False

End If

'ex2 = sx2 + 100

'ey2 = Line3.Y2 - (Form2.Text4.Text / 1000) \* (Line3.Y2 - Line3.Y1)

'Line (sx2, sy2)-(ex2, ey2), vbBlue

'sx2 = ex2

'sy2 = ey2

'If (sx2 > Line4.X2 - 50) Then

'Line (Line3.X1, Line3.Y1)-(Line4.X2, Line4.Y2), Me.BackColor, BF

'sx2 = Line4.X1

'sy2 = ey2

'Line3.Refresh

'Line4.Refresh

'End If

'a = Val(Form2.Text7.Text) + Val(Form2.Text2.Text) + Val(Form2.Text3.Text)

'Form2.Text1.Text = Round(a \* Val(Form2.Text4.Text) / 1000)

End Sub

'Private Sub Timer2\_Timer()

'Form3.Data1.Recordset.AddNew

'Form3.Data1.Recordset.Fields(0) = Form1.Label15.Caption

'Form3.Data1.Recordset.Fields(1) = Form1.Label16.Caption

'Form3.Data1.Recordset.Fields(2) = Form2.Text7.Text

'Form3.Data1.Recordset.Fields(3) = Form2.Text2.Text

'Form3.Data1.Recordset.Fields(4) = Form2.Text3.Text

'Form3.Data1.Recordset.Fields(5) = Form2.Text4.Text

'Form3.Data1.Recordset.Fields(6) = Form2.Text1.Text

'Form3.Data1.Recordset.Update

'

'End Sub

''Private Sub Timer3\_Timer()

''WebBrowser1.Navigate "about:<html><body scroll='no' bgcolor=green><FONT SIZE='25' FACE='Colonna MT' COLOR=white><center><MARQUEE STYLE=overflow WIDTH=70% BEHAVIOR=scroll scrollamount=10 BGColor=green>RENEWABLE ENERGY</MARQUEE></center><img src = 'D:\vb2017\B-59-GREEN-RADIO\new1.jpg' width=1340 height=100><br><center><MARQUEE WIDTH=90% BEHAVIOR=alternate>Wind and Solar Hybrid Generation</marquee></img></br></FONT></body></html>"

''If (Form2.Text7.Text) < 5 Then

'' WebBrowser3.Navigate "about:<html><body scroll='no' bgcolor=green><FONT SIZE='15' FACE='cooper black' COLOR=white> <center>Solar Energy<br><font color=green><img src ='D:\vb2017\B-59-GREEN-RADIO\no sun.jpg' width=350 height=350></center></img></br></FONT></body></html>"

'' Else

'' WebBrowser3.Navigate "about:<html><body scroll=no bgcolor=green><FONT SIZE='15' FACE='cooper black' COLOR=white> <center>Solar Energy<br><font color=green><img src ='D:\vb2017\B-59-GREEN-RADIO\sun.jpg' width=350 height=350></center></img></br></FONT></body></html>"

'' End If

'' If (Form2.Text2.Text) < 5 Then

'' WebBrowser2.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='5' FACE='cooper black' COLOR=white> Vertical Turbine<br><img src ='D:\vb2017\B-59-GREEN-RADIO\vertical.jpg' width=200 height=200></center></img></br></FONT></body></html>"

'' Else

'' If (Form2.Text2.Text) > 5 Then

'' WebBrowser2.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='5' FACE='cooper black' COLOR=white> Vertical Turbine<br><img src ='D:\vb2017\B-59-GREEN-RADIO\vertical.gif' width=200 height=200></center></img></br></FONT></body></html>"

'' End If

'' End If

'' If (Form2.Text3.Text) > 5 Then

'' WebBrowser4.Navigate "about:<html><body scroll='no' bgcolor=green><center><h6><FONT size='5' fACE='cooper black' COLOR=white> <center>Horizontal Turbine<font color=green><br><img src ='D:\vb2017\B-59-GREEN-RADIO\windmill1.gif' width=200 height=180></center></img></br></FONT></body></html>"

'' Else

'' If (Form2.Text3.Text) < 5 Then

'' WebBrowser4.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='5' FACE='cooper black' COLOR=white><center>Horizontal Turbine<font color=green><br><img src ='D:\vb2017\B-59-GREEN-RADIO\windmill1.JPG' width=200 height=180></center></img></br></FONT></body></html>"

'' End If

'' End If

'' If (Form2.Text2.Text) = 0 Then

'' WebBrowser2.Navigate "about:<html><body scroll='no' bgcolor=green><center><FONT SIZE='5' FACE='cooper black' COLOR=white>vertical turbine<font color=green><br><img src ='D:\vb2017\B-59-GREEN-RADIO\vertical.jpg' width=200 height=200><br><img src ='D:\PROJECTS\GREENRADIO hybrid JEPPIAR\windmill1.jpg' width=200 height=200></center></img></br></FONT></body></html>"

'' End If

''

''End Sub