### Gestione Motori

#### Descrizione

Logica di funzionamento quasi completamente integrata nel PLC

#### Logica

#### Dettaglio Funzioni

##### ParaTabMotor.bas

###### ParaTabMotor\_ReadFile()

Lettura dei parametri e invio dati al PLC

##### GestioneMotori.bas

###### ControlloAsservimenti()

Esegue alcuni controlli sul funzionamento dei motori

###### SetMotorManagement()

Gestisce il cambio della modalità di gestione dei motori corrente , chiama da varie funzioni di UI e dalla VerificaMotoriAccesi()

#### Moduli interessati alla gestione motori

GestioneMotori.bas

<descrizione>

GestioneAmperometri.bas

<descrizione>

ParaTabMotor.bas

<descrizione>

AvviamentoMotori.frm

<descrizione>

GestioneOreLavoro.bas

<descrizione>

#### Principali metodi utilizzati nella gestione motori:

GestioneMotori.bas

208 - Public Sub MotoreAggiornaGrafica(motore As Integer)

171 - Public Sub MotoreUscita\_change(motore As Integer, Optional CambioStato\_per\_PausaLavoro As Boolean)

104 - Public Sub MotoreRitornoTermica(motore As Integer)

92 - Public Sub VerificaMotoriAccesi()

80 - Public Sub SetMotorManagement(newMotorManagement As MotorManagementEnum)

63 - Public Sub SetMotoreRitorno(motore As Integer, valore As Boolean)

60 - Public Sub SetMotoreAllarme(motore As Integer, valore As Integer)

58 - Public Sub ControlloAsservimenti()

52 - Public Sub PulsanteManualePremuto()

46 - Public Sub SetMotoreUscita(ByVal motore As Integer, valore As Boolean, Optional CambioStato\_per\_PausaLavoro As Boolean)

45 - Public Sub MotorManagementPlcCountDown\_change(motoreChanged As Boolean)

39 - Public Function MotoreCocleaRecuperoErrore() As Boolean

39 - Public Function MotoreCocleaPreseparatriceErrore() As Boolean

38 - Public Sub MotorManagementPlc\_change()

38 - Public Sub MotoriInAutomatico\_change()

31 - Public Function VerificaMotorePred(ByRef motore As MotorePredosatoreType, criterioAllarme As String) As Boolean

25 - Public Sub SetMotoreBlocco(motore As Integer, valore As Boolean)

25 - Public Sub GraficaDustFix()

22 - Public Sub MotorManagementPlcSirena\_change()

21 - Public Function VerificaMotore(ByRef motore As MotoreType, criterioAllarme As String) As Boolean

21 - Public Function MotoreAcceso(motore As Integer) As Boolean

20 - Public Sub SetMotoreRitornoReale(motore As Integer, valore As Boolean)

20 - Public Sub SetMotoreForzatoSpento(motore As Integer, valore As Boolean)

19 - Public Sub SetMotoreForzatoAcceso(motore As Integer, valore As Boolean)

17 - Public Sub NMSetMotoreUscita(ByVal motore As Integer, valore As Boolean)

17 - Public Sub ChkAvvioMotoriFillerizzazione(motore As Integer, comando As Boolean)

16 - Public Sub GestionePulsantiTipoFunzMot(Stato As Boolean)

15 - Public Sub DimensionaFiamma(tamburo As Integer)

15 - Public Sub ControlloMixerDosaggioStart()

14 - Public Sub NMSetMotoreForzato(ByVal motore As Integer)

14 - Public Function MotoreCocleaRecuperoAcceso() As Boolean

14 - Public Function MotoreCocleaPreseparatriceAcceso() As Boolean

13 - Public Sub SetMotoreRitornoIndietro(motore As Integer, valore As Boolean)

12 - Public Sub SetMotoreForzatoDarwin(motore As Integer, valore As Boolean)

12 - Public Sub AvvioStopAutomaticoMotori()

12 - Public Function CambioRicettaNVtoV() As Boolean

11 - Public Sub UpdateManagement(newMotorManagement As MotorManagementEnum)

11 - Public Sub FineAttesaStopAutomaticoMotori()

10 - Public Sub GestioneVaglio()

10 - Public Sub AggiornaGraficaValvolaTSF\_Change()

10 - Public Sub AbilitaPulsFormInversione()

9 - Public Sub MotoreRitorno\_change(motore As Integer)

8 - Public Sub NMSetMotoreUscitaInv(ByVal motore As Integer, valore As Boolean)

8 - Public Sub MotoreRitornoReale\_change(motore As Integer)

8 - Public Sub InizioAttesaStopAutomaticoMotori()

6 - Public Sub RimettiAutomaticoMotori()

6 - Public Sub MotorManagementPlcTroppoPienoNV\_change()

5 - Public Sub ControlloPuliziaFiltro()

4 - Public Sub MotoreSicurezza\_change(motore As Integer)

4 - Public Function MotoriInAutomatico() As Boolean

2 - Public Sub AccendiVaglioCambioRicetta()

GestioneAmperometri.bas

61 - Public Sub ValoreAmperometri\_change(amp As Integer)

32 - Public Sub ValoreAmperometriBar\_change(amp As Integer)

32 - Public Function FiltroAmperometro(amp As Integer, Value As Integer) As Integer

ParaTabMotor.bas

150 - Public Sub ParaTabMotor\_Apply()

110 - Public Function ParaTabMotor\_ReadFile() As Boolean

84 - Public Sub CaricaTestiMotori()

AvviamentoMotori.frm

93 - Private Sub MergeAvvMotori()

63 - Private Sub Form\_Load()

60 - Public Sub VisualizzaMotoreAcceso(motore As Integer)

59 - Private Sub APButtonStartStopMotore\_Click(Index As Integer)

45 - Private Sub imgPulsanteForm\_Click(Index As Integer)

38 - Public Sub DebugMotore(motore As Integer)

35 - Private Sub LoadImmaginiPulsantePlus(Index As Integer, stato As StatoPulsantePlus)

25 - Public Sub CambioMod()

21 - Private Sub LblOreParz\_DblClick(Index As Integer)

21 - Private Sub Form\_MouseMove(Button As Integer, Shift As Integer, x As Single, Y As Single)

19 - Public Sub AggiornaOreMotori()

18 - Private Sub LblOreTot\_DblClick(Index As Integer)

18 - Private Sub imgPulsanteForm\_MouseMove(Index As Integer, Button As Integer, Shift As Integer, x As Single, Y As Single)

16 - Public Sub ForzPLC(motore As Integer, valore As Boolean)

12 - Public Sub UpdatePulsantiForm()

9 - Public Sub UpdateManagement(managemode As MotorManagementEnum)

9 - Private Sub PasswordLevel()

6 - Public Sub ShowMe(ByRef parente As Form)

4 - Private Sub imgPulsanteForm\_MouseUp(Index As Integer, Button As Integer, Shift As Integer, x As Single, Y As Single)

4 - Private Sub imgPulsanteForm\_MouseDown(Index As Integer, Button As Integer, Shift As Integer, x As Single, Y As Single)

4 - Private Sub Form\_Activate()

3 - Private Sub txtVelMot\_DblClick(Index As Integer)

2 - Private Sub StatusBar1\_PanelClick(ByVal Panel As MSComctlLib.Panel)

2 - Private Sub CmdPassword\_Click()

2 - Private Sub ChkAvvForzatoPCL\_Click()

GestioneOreLavoro.bas

56 - Public Sub CalcolaOreLavoroMotori()

26 - Public Sub LeggeFileOreLavoro()

18 - Private Sub ScriveFileOreLavoro(motore As Integer)

16 - Public Sub AzzeraOreLavoroMotori(motore As Integer, totale As Boolean)

#### Principali oggetti utilizzati nella gestione motori:

GestioneMotori.bas

137 - Public Type TamburoType

120 - Public Enum MotoriEnum

93 - Public Type MotoreType

15 - Public Type MotorePausaLavoro

8 - Public Enum MotorManagementEnum

7 - Public Enum MotorSequenceEnum

7 - Public Enum AvviamentoMotoriRidottoEnum

6 - Public Enum StatusMotori '20161014

4 - Public Enum FuelType