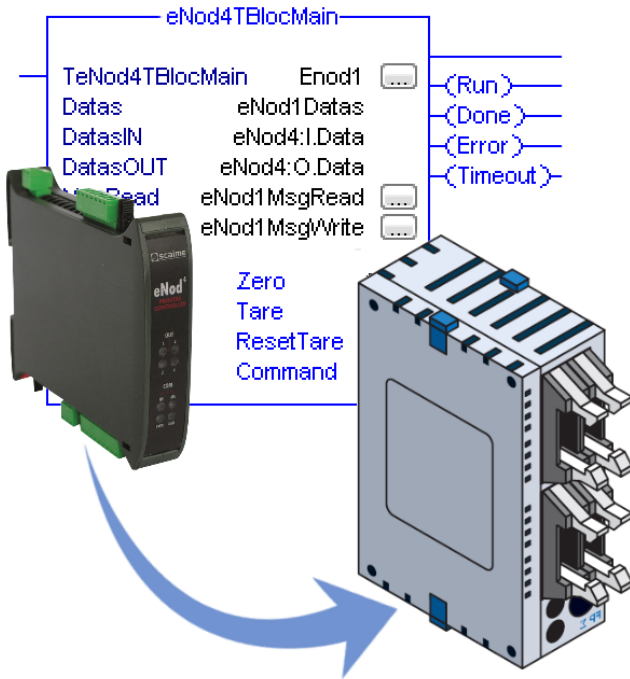


PLCLib eNod4



- Blocs fonctions intégrables dans l'environnement de développement automate
- Code source librement modifiable par le développeur
- Blocs pour données et commandes de process, étalonnage, sauvegarde & restauration configuration, gestion mémoire DSD
- Fonctions complètes pour eNod4-T, partielles pour eNod4-C et D
- eNod4 Function blocks for integration into PLC software development tools
- Source code freely modifiable by the developer
- Blocks for process data and commands, calibration, Backup & Restore setting, DSD storage management
- Complete functions for eNod4-T, partial for eNod4-C and D

Librairies disponibles – Available libraries

PLC type	PLC software	Network	Source code
Rockwell	Logix Designer	EtherNet/IP	•
Pro-Face GP4000, GP4100	GP-Pro EX	Modbus-RTU	•

Intégration structure de données eNod4 – eNod4 Data structure integration

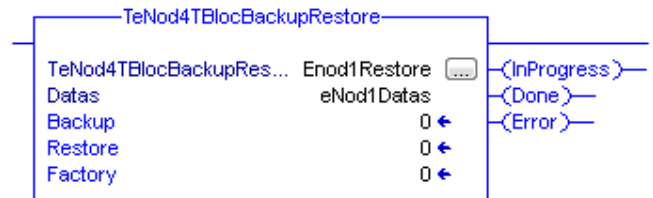
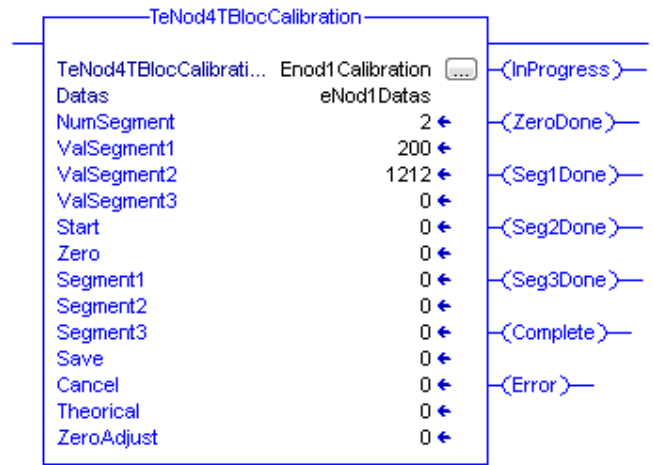
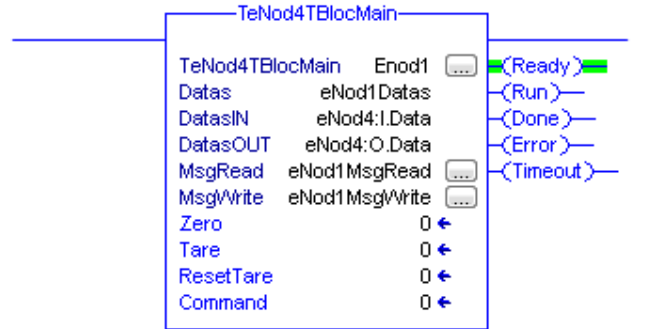
Exemple d'intégration sur Rockwell / Logix Designer – Example of integration on Rockwell / Logix Designer

Name	Value	Force Mask	Style	Data Type
- eNod1Ddatas	{...}	{...}		TeNod4TDatas
- eNod1Ddatas.CYCIN	{...}	{...}		TeNod4TCYCIN
+ eNod1Ddatas.CYCIN.eNodCounter	1184174		Decimal	DINT
- eNod1Ddatas.CYCIN.MeasureStatus	{...}	{...}		TeNod4TStatus
+ eNod1Ddatas.CYCIN.MeasureStatus.Reserved	0		Decimal	INT
- eNod1Ddatas.CYCIN.MeasureStatus.b00Reserved	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b01Reserved	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b02ErrorCode0	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b03ErrorCode1	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b04NoMotion	1		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b05ZeroWeight	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b06EEPROMFailure	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b07Reserved	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b08Input1DN	0		Decimal	BOOL
- eNod1Ddatas.CYCIN.MeasureStatus.b09Input2DN	0		Decimal	BOOL

Blocs fonctions – Function blocks

Exemple de blocs fonctions Rockwell / Logix Designer

- **Bloc principal** : Lecture / Ecriture variables et statut eNod4, envoi des commandes de process
- **Bloc étalonnage** : Gestion du processus d'étalonnage physique ou théorique
- **Bloc de Sauvegarde** : Gestion de la sauvegarde & restauration de la configuration
- **Bloc Métrologie légale** : Ecriture & lecture de la mémoire alibi (DSD)
- **Bloc Filtrage** : Paramétrage de filtres eNod4

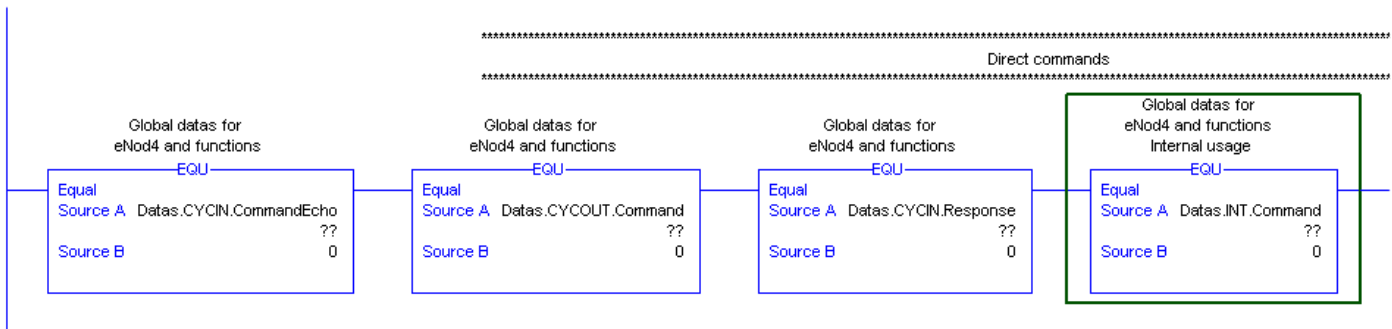


Example of function blocks Rockwell / Logix Designer

- **Main block**: Read / write data eNod4 data and status, process control commands
- **Calibration block**: Management of physical or theoretical calibration process
- **Backup block**: Management of complete configuration backup & restore
- **Legal metrology block**: Read & write Data storage device (DSD)
- **Filtering block**: eNod4 signal filtering setup

Code source des blocs fonctions – Source code of function blocks

Exemple de code source Rockwell / Logix Designer – Example of source code Rockwell / Logix Designer



Siège Social - Headquarter : Technosite Altéa - 294, Rue Georges Charpak - F.74100 JUVIGNY
 SCAIME SAS - 294, RUE GEORGES CHARPAK - CS 50501 - 74105 ANNEMASSE CEDEX
 Tél. : +33 (0)4 50 87 78 64 - Fax : +33 (0)4 50 87 78 46 - info@scaime.com - www.scaime.com
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