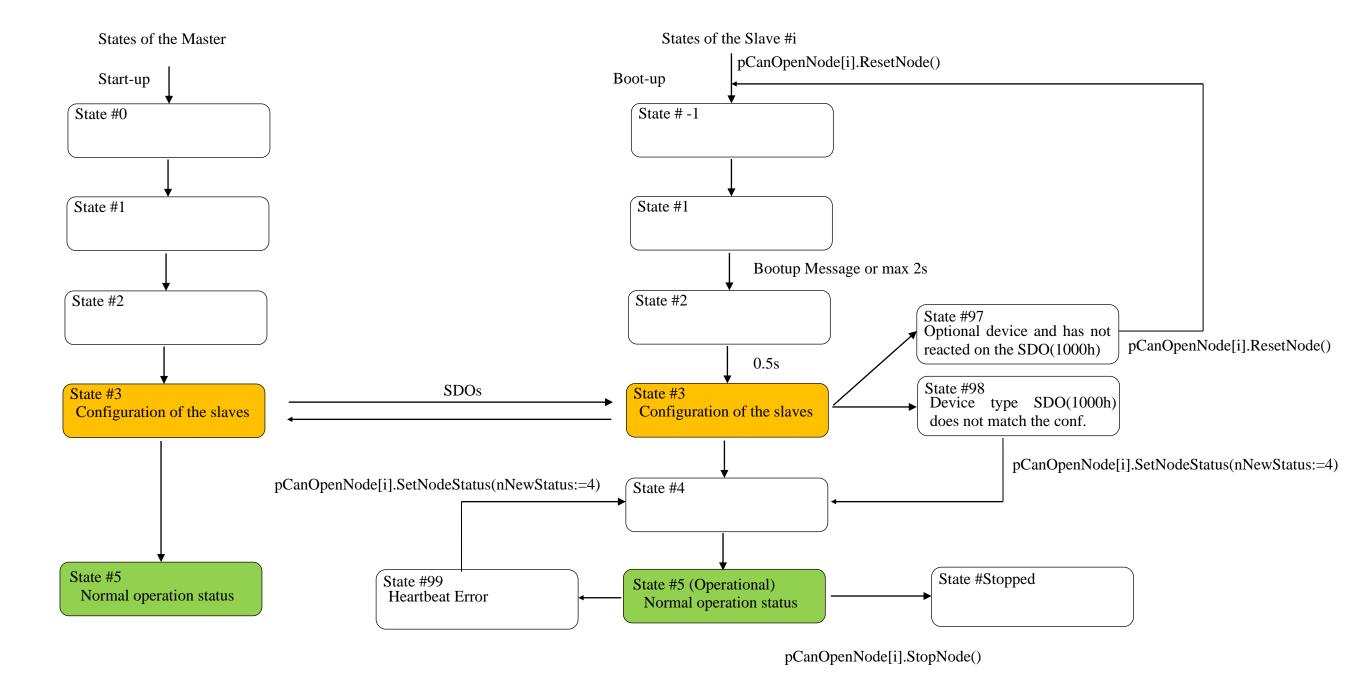
Minimaster Dold + CoDeSys 3S CanOpen implicit Variables (global variables) PLC – Application Layer (POUs) **CONSTANTs** VAR GLOBAL IF pCanOpenMaster[0].nStatus =5 THEN MAX_CTRLINDEX: INT pCanOpenMaster: ARRAY[0...MAX MASTERINDEX. %IF pCanOpenNode[iSlave].nStatus <4 THEN USE CANOPEN NODES: BOOL **Emergency Consumer** pCanOpenNode: ARRAY[0...MAX_NODEINDEX. MAX_MASTERINDEX: INT pCanOpenSDO: ARRAY[0...MAX_SDOINDEX. MAX NODEINDEX: INT < application code> pCanOpenPDO_RX: ARRAY[0...MAX_PDOINDEX_RX. MAX_SDOINDEX: INT pCanOpenPDO_TX: ARRAY[0...MAX_PDOINDEX_TX. MAX_PDOINDEX_RX: INT %END_IF MAX PDOINDEX TX: INT ODMEntries: ARRAY[0...MAX_MASTER_ODENTRY_IDX END IF MAX_MASTER_ODENTRY_IDX: INT END VAR 3S_CanOpenMaster.lib/3S_CanOpenManager.lib Array of function Blocks pCanOpenMaster[0].... pCanOpenNode[0].... Config VARs **VARs** wDrvNr:WORD Config VARs wBaudrate:WORD wMasterIdx:WORD ucNodeNr:BYTE:=1; nFirstNodeNr: INT dwNodeIdent:DWORD nLastNodeNr: INT nSDOIndex:INT nSDOSend: INT dwGuardCOBID:DWORD SyncTimer:TON bReady:BOOL dwEmergCOBID:DWORD dwCOBID_Sync:DWORD bAutoStart:BOOL byLastState: BYTE:=0; SDO_TimeOut:TON:=(PT:=T#500ms) wFirstSDOIndex:WORD dwHeartbeatTime:DWORD nNewStatus:INT dwMerker:DWORD nStatus: INT wNummOfSDO:WORD nNodeId: WORD --- bSynchSend:BOOL nSDOActiv: INT nStatusOld:INT wFirstRxPDOIndex:WORD byheartbeatState: BYTE dwHeartbeatTime:DWORI bManualStart:BOOL:=FALSE EmcyMsg: CAN_Message wNummOfRxPDO:WORD wODMFirstIdx: WORD -bSendReset:BOOL bDevTypeInvalid:BOOL wFirstTxPDOIndex:WORD wODMCount: WORD wNummOfTxPDO:WORD MsgBuffer: CAN Message GuardTime:TIME a: INT GuardTimer:TON iPDO:WORD LifeTimer:TON bDoInit:BOOL bOptional:BOOL nStatus: INT sdoConfig: CanOpenSendSDO tHeartBeatLifeTime:TON bMsgUsed: BOOL wDrvNr: WORD bUseStartAllNodes: BOOL bAutoStart: BOOL bUseResetAllNodes: BOOL VARs dwCOBID NMT:DWORD:=16#0000 nIndex: INT a: INT pCanOpenNode[n].... bSynchSend: BOOL bErrCodeNot0: BOOL MsgBuffer: CAN_Message bSDOMsgUsed: BOOL bSDOReadrqUsed: BOOL bSDOReadrqActive: BOOL bSwap: BOOL CANopen - Master CANopen – node (Slave)

Methods

 $pCanOpenNode[x]. ResetNode() - acces on the CANopen nodes, where x id the index of the not, not NodeID \\ pCanOpenMaster[0]. bUseStartAllNodesS=TRUE;$



Safety requirements

