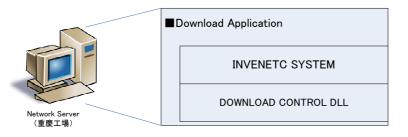
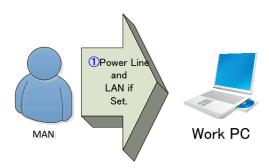
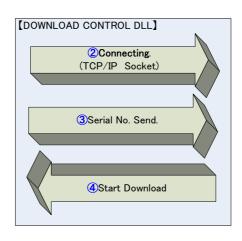
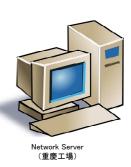
● The present interface of Inventec ???

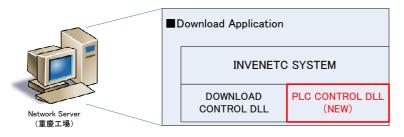






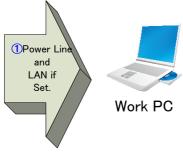


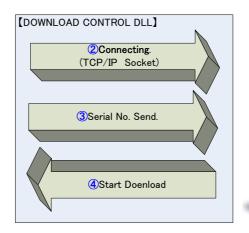
New interface of Inventec





AUTOMATION



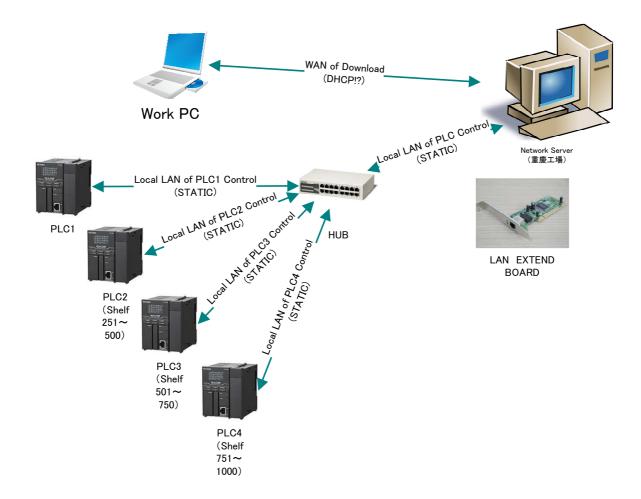




Network Server (重慶工場)

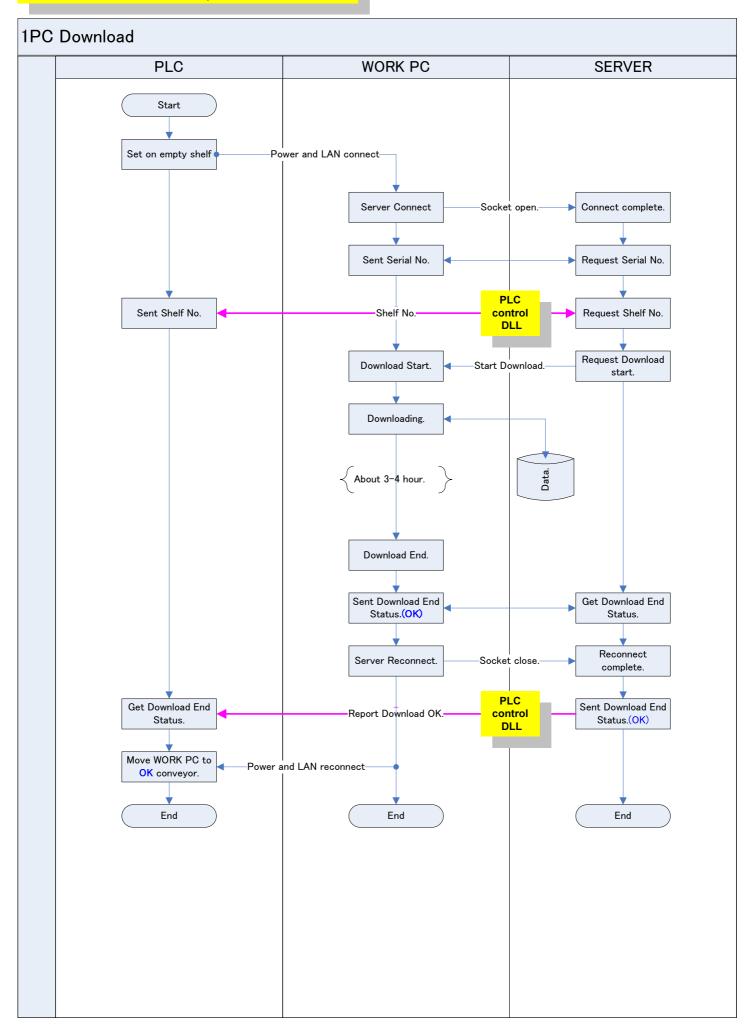


●Detail of interface (LAN)

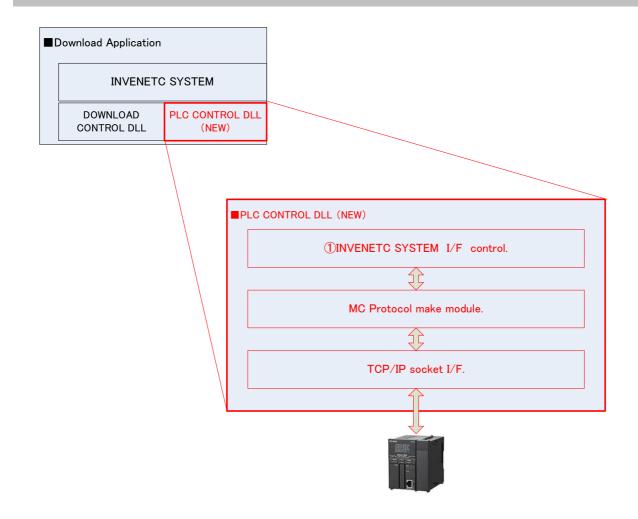


LAN Unit	Shelf	IP Address	NET MASK	Default Getway
Server	_	192.168.0.5	255.255.255.0	192.168.0.1
PLC1	1~250	192.168.0.10		
PLC2	251~500	192.168.0.40		
PLC3	501~750	192.168.0.70		
PLC4	751~1000	192.168.0.100		

●FLOW(1PC Download)



● Structue of INVENTEC system include PLC control DLL (※Updated information)



- **①INVENTEC SYSTEM I/F control.**
 - •This module controls the interface with the high rank (INVENETC system).
 - WORD Request EntryShelfNo()
 - Request_ExitWork(WORD ShelfNo, WORD Result)
 - Request_All_ShelfStatus(*WORD ShelfStatus)
- **2MC** Protocol make module.
 - •This module, creates a packet data of MC protocol.
 - •MC protocol is a packet format for communicating with the PLC.
- ③TCP/IP I/F socket I/F.
 - •This controls the socket communication for transmitting MC protocol packet data.

●INVENTEC system and PLC control I/F sample (1/2)

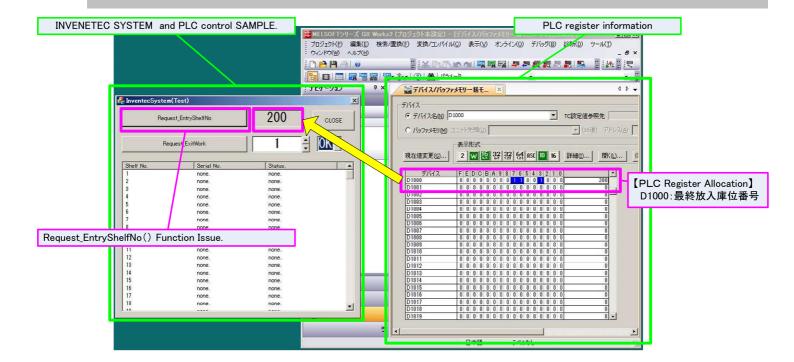
※This is a sample. It is not a guaranteed program. (這個是Sample。沒有保證的軟件。)

■ Sample program configuration.

- -Sample program, it was created by VISUAL STUDIO 2012.
- •Sample EXE of INVENTEC is, created in MFC program. Sample DLL of PLC CONTROL is, created in VC ++ program.
- -Created in WINDOWS 7 64 bit.
- •The Automatic machine (PLC), Mitsubishi Q series. Connected by a LAN
- -Automatic machine(PLC) that becomes the target is one.

■WORD Request EntryShelfNo() Function.

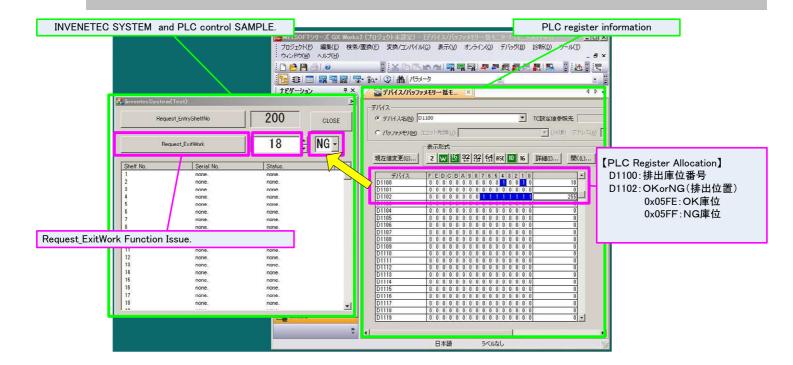
- •這個機能是設備把工件放入時,輸出最近放入的庫位。
- -INVENTEC SYSTEM讀取產品的Serial 番號後, 使用這個機能取得架子的庫位。
- ·如下図的例子,PLC往 Register Address D1000(0003E8)寫入最新的架子庫位,讀取這個信息。



●INVENTEC system and PLC control I/F sample(2/2)

■ Request_ExitWork(WORD ShelfNo, WORD Result) Function.

- ·這個機能是庫位和Download結果輸給設備後, 把指定庫位的產品取出放入OK(良品)或NG(不良品)的運送帶。
- ·INVENTEC SYSTEM 産品Download完成後, 使用本機能進行産品的OK(良品)或NG(不良品)排出。
- ·如下図例子, 18號庫位的產品Download由於NG終止, 使用本機能向設備要求把18號庫位的NG產品取出。
- •往PLC的Register Address D1100(00044C)寫入想排出庫位, 往D1102(00044E)Address寫入OK排出或NG排出, 根據以上的信息設備排出産品。



■ Request All ShelfStatus (*WORD ShelfStatus) Function.

- ·這個機能是從設備讀取庫位的狀況, INVENTEC SYSTEM管理時請使用。
- ·INVENTEC SYSTEM 使用本機能定週期向設備發行,更新INVENTEC SYSTEM内部管理的庫位狀況。 (↑要求的機能)
- ·如下図例子, INVENTEC SYSTEM内的周期1秒Timer關數, 叫起本機能, GUI顯示庫位的狀態。
- -PLC的Register AddressD1500(0005DC)~D1749(0006D5)的250個庫位狀態 使用GUI顯示狀態以及更改内容。

