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APPLICATION NOTE No. 003		
Collecting production statistics and forwarding them to an ERP		
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Description

The NetCube is connected to the PLC of production machines. The NetCube forwards the status of several inputs (= PLC outputs) to a remote program (part of an Enterprise Resources Planning system). Those information are used to update statistics about the machine (how long was the machine idle/working, what was the reason of an interruption, etc.). Furthermore the NetCube acts as a counter (to count the number of pieces produced for example).

Additionally one COM port of the NetCube is often used to send new production programs to the PLC.

Logical behaviour (pseudo-code)

Loop

Wait for a new connection

While connection active

Read all inputs

For each input

If input handled as counter

Increase counter if required

If counter changed more than delta

Send new counter value

End if

Else # not counter, normal input

Send new value

End if

End for each

End while

End loop

Overview of the installation

