Customer: Goss International
Industry sector: Printing
Solution: All components on one PROFINET network

Customer profile:
- Goss International is considered to be the worldwide leading supplier of web offset printing machines and print finishing machines. Their products have always been characterized by excellent print quality and productivity, a high automation level and their reliability.

Customer requirements:
- Convenient handling
- Efficient, quick-response and cost-effective production
- High degree of synchronism of the drives
- Modularity of machine units
- Smooth integration of new innovations
PROFINET - superior print quality with reduced maculation

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Customer decision:
Illustration printing machine, printing of glossy brochures, magazines and advertising leaflets, …

Plant components:
- SIMATIC S7 controller via PROFINET TCP/IP and RT
- 3-15 SIMOTION D435/445
- 2- 16 SINAMICS CU320 via PROFINET with IRT
- 7-50 SINAMICS S120 and 1PH7/1FK7 motors
- All drives using synchronism
- Clock cycle 1 to 4 ms and one Jitter < 1µs
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Customer benefits:

- High serviceability through the use of standard components
- Benefits of free programmability
- Superior flexibility
- Superior print quality due to reliable and highly precise synchronization of single drives with PROFINET
- PROFINET allows to use standard Ethernet, RT and IRT data simultaneously on one cable
- Consistent system solution and cost saving