

Evolution Strategy for Harmony/INFI90-Control Systems

From Harmony/INFI90 to Industrial^{IT} Extended Automation System 800xA



Step-by-step to System 800xA

ABB offers customized solutions for the migration of the existing Harmony/INFI90-system technology to the state-of-the-art technology "Industrial^{IT} Extended Automation System 800xA". This exercise can be implemented in independent steps, with short system down-times. In the first step, a new operating level is added to the existing Harmony/INFI90-system without influencing operations. This enables the operator to get used to the new technology.

After this, the installation can be upgraded with state-of-the-art powerful controllers.

The replacement of the existing process level can be carried out step-by-step, from plant section to plant section, or everything at one go.

The process stations are replaced by new ones, while the existing I/O-modules of the INFI90-series can continue to be used. This enables very short conversion times.

The field cabling to the marshalling rack remains unchanged.

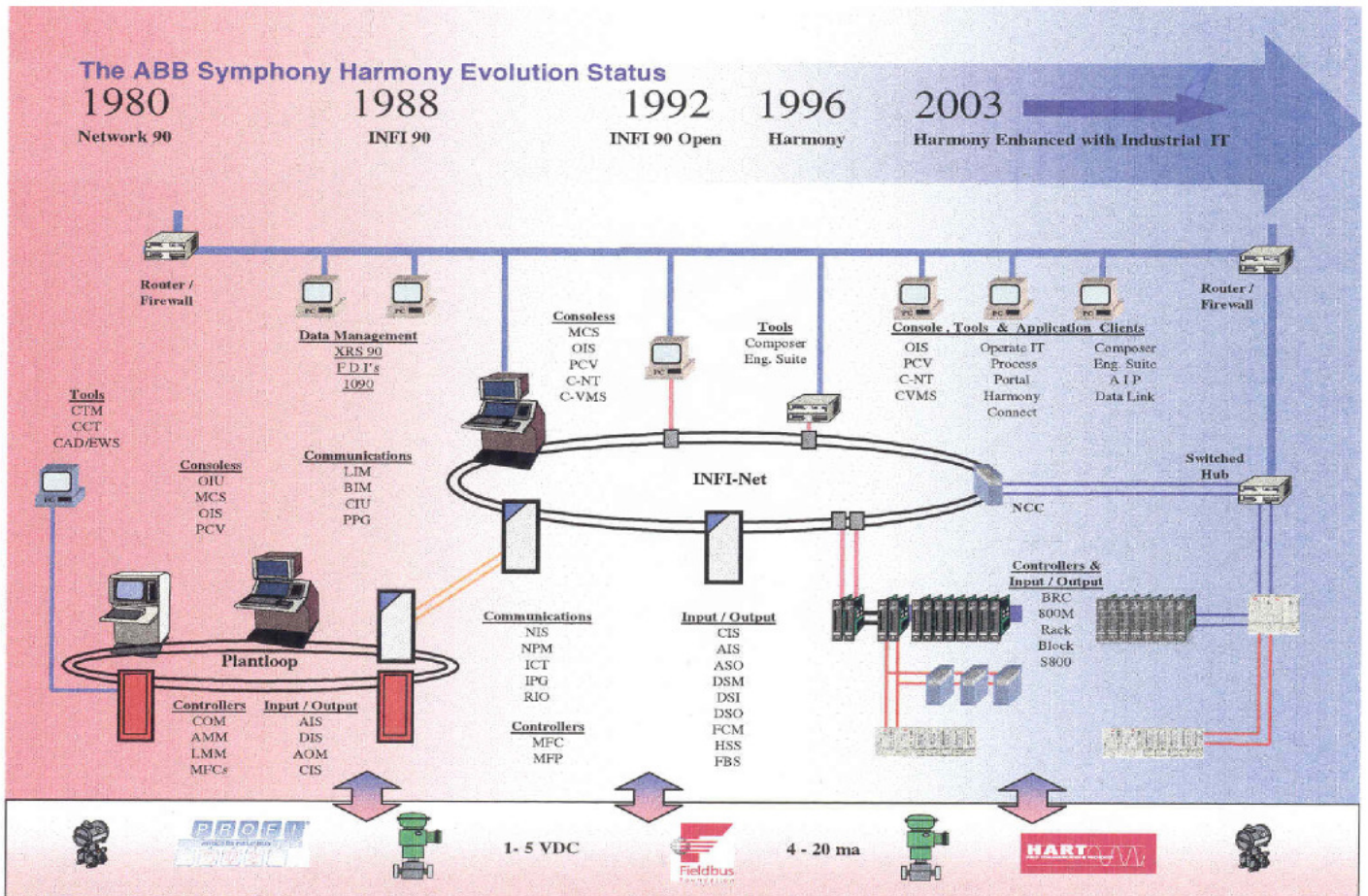
Economic advantages

- Step-by-step modernization of your systems to the state-of-the-art Industrial^{IT} technology
- Minimum system downtime during conversion
- Migration of the Operaterr operating level without any influence on production
- Significant cost-saving as opposed to a completely new installation

Technological advantages

- Use of new functionalities of the Extended Automation System 800xA
- Opening up of the system architecture
- Uniform operating philosophy
- Utilization of standards in Operaterr: Ethernet, TCP/IP, SQL, WIN2000/XP
- Use of Profibus and Foundation Fieldbus
- Combination of several bus systems is possible
- Automatic conversion of user programs

Step-by-step to System 800xA



1. Step Migration of the operator level

- Addition of new operator level, no influence on operations
- Use of state-of-the-art technology and standards (Aspect Objects, fieldbus, Ethernet, OPC)
- Uniform control philosophy

2. Step Exchange of process stations

- Exchange of controller racks or parallel installation of new controller cabinets
- Reuse of field cabling, marshalling and cabinets for I/O units
- Coupling of Control field-I/O via fieldbus
- Use of conversion tools for application programs
- Minimal influence on operations
- Redundant process stations and redundant network possible

2. Step Expansion of local process units

- Expansion with remote I/O, S800, S900
- Redundant fieldbus and ABB field I/O for ex- and non-ex-applications
- Use of Profibus and Foundation Fieldbus

Would you like to upgrade your plant to the latest technological standard ?
Get in touch with us !