

Mission Statement SpiderControl



“We offer a tool for all requirements in the HMI (Human Machine Interfaces)environment:

We standardize the HMI development and integrate all associated tasks so that the customers can reduce their engineering effort in the project business, improve their profitability and focus on their core competence for the control of a machine or system.”

Case Study: SBB LSS-CH



SBB CFF FFS

Object description:

The Swiss Federal Railways SBB standardize the monitoring and control of the operational systems with the LSS-CH project (control and fault reporting system Switzerland).

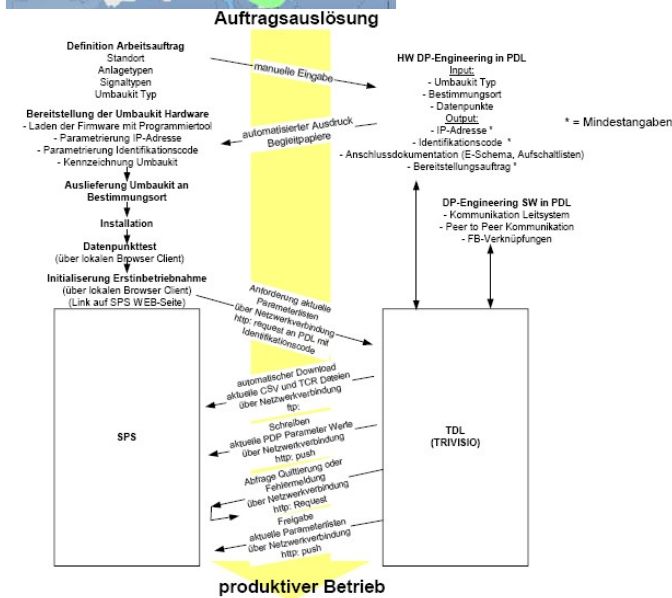
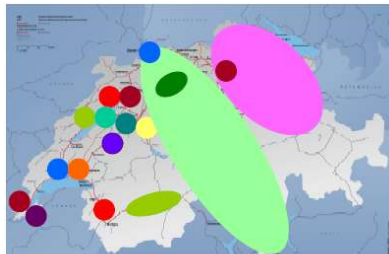
Detailed description:

The new Switzerland-wide control system replaces various regional control systems. With this project, SBB took an extremely innovative approach to realizing the project. A central engineering tool was desired for all users, regardless of which products are used on the automation and management levels. All engineers, whether internal employees or external partners, do the entire engineering with the same tool, without having to worry about the products at the automation or management level. A huge advantage for all users: Complete systems can be configured and commissioned without knowledge of the manufacturer-specific programming software(s), both locally on the embedded web server of the PLC and centrally in the control system.

Case Study: SBB LSS-CH



SBB CFF FFS



Automation infrastructure (train stations, tunnels)

All PLCs on the SBB network (Difonet)

Central PLC software and HMI repository

Zero engineering HMI

Central or local programming

Automatic synchronization of local changes

Automatic deployment from repository to PLC

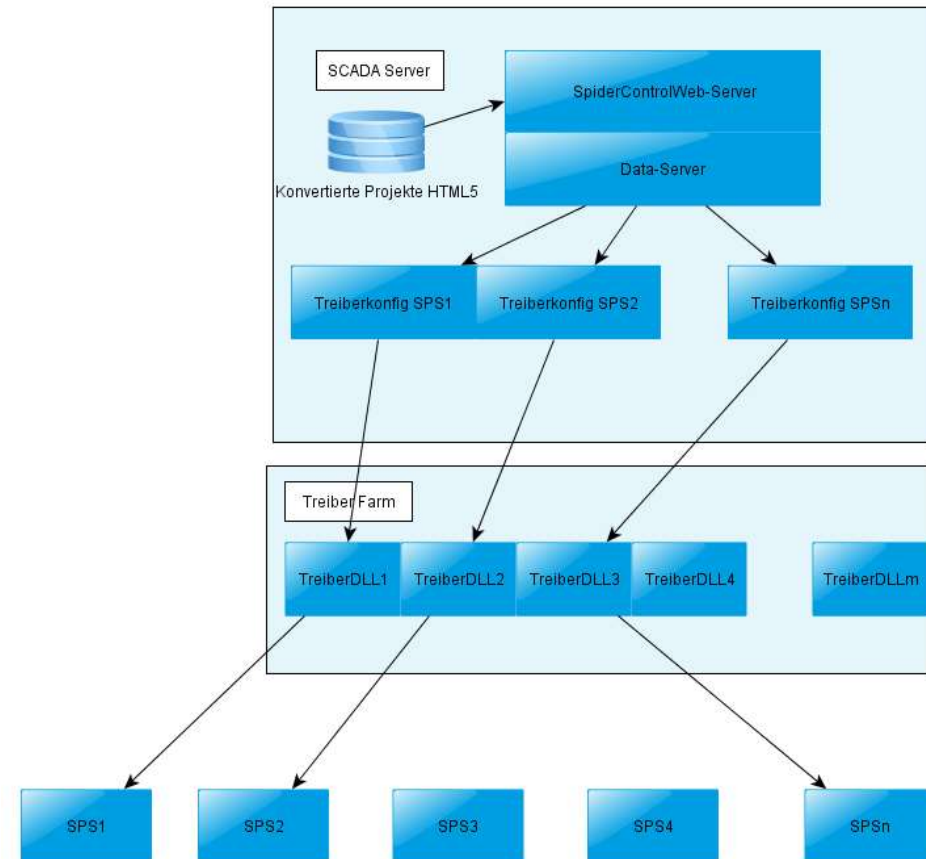
Uniform programming for three different PLC manufacturers (SAIA, Siemens, Wago)

SpiderControl: Zero Engineering HMI, synchronization/deployment

Case Study: SBB LSS-CH Expansion to centralized SCADA Server

Expansion to centralized SCADA server:

As part of the conversion to HTML5, **a total of 2500 PLCs** were connected to a central SCADA server. For this purpose, the SpiderControl SuperSCADA architecture was used, which supports a dynamic deployment into distributed processes (driver farm), which can also be physically distributed on several computers if required. This architecture enables the connection of very large stocks of controllers. It is not necessary to create a special configuration for this. Projects and driver configurations programmed for a Single Process SCADA can be delivered to a SuperSCADA in the same way; the process allocation is done automatically.



Case Study: SBB LSS-CH Operation by Web-Browser

Start | fr | it | de | Abmelden | AnzBenutzerL5 SBB CFF FFS

AKS_SSA | **TXT_SSA**

Bedienen/Beobachten

Status	Adresse	AKS/BMK	Bezeichnung
<input type="radio"/>	HWDE 1	AKS_257	TXT_257
<input type="radio"/>	HWDE 2	AKS_258	TXT_258
<input type="radio"/>	HWDE 3	AKS_259	TXT_259
<input type="radio"/>	HWDE 4	AKS_260	

digitale Eingänge
digitale Ausgänge
analoge Eingänge
analoge Ausgänge

zurück

Start | fr | it | de | Abmelden | AnzBenutzerL5 SBB CFF FFS

AKS_SSA | **TXT_SSA**

Bedienen/Beobachten

AKS	TXT	AKS	TXT
AKS_12_1_	TXT_12_1_6	AKS_12_1_	TXT_12_1_7
AKS_12_1_	TXT_12_1_8	AKS_12_1_	TXT_12_1_9
AKS_12_1_	TXT_12_1_10	AKS_12_1_	TXT_12_1_11
AKS_12_1_	TXT_12_1_12	AKS_12_1_	TXT_12_1_13
AKS_12_1_	TXT_12_1_14	AKS_12_1_	TXT_12_1_15
AKS_12_1_	TXT_12_1_16	AKS_12_1_	TXT_12_1_17
AKS_12_1_	TXT_12_1_37	AKS_12_1_	TXT_12_1_38
AKS_12_1_	TXT_12_1_40	AKS_12_1_	TXT_12_1_39
AKS_12_1_	TXT_12_1_24	AKS_12_1_	TXT_12_1_41

Beleuchtungen

Beleuchtung Bereich

Beleuchtung Gruppe

Parametrierung

Beleuchtungen

Beleuchtung Bereich

Beleuchtung Gruppe

zurück

SSA Betriebsart: SSA Fehler: SSA Übersteuerungen: TXT_67

FBBS 0

Start | fr | it | de | Abmelden | AnzBenutzerL5 SBB CFF FFS

AKS_SSA | **TXT_SSA**

Bedienen/Beobachten

Ein-/Ausgänge
Zuordnungen
Verknüpfungen
Uhren
Beleuchtung
Kommunikation

Parametrierung

Zuordnungen
Verknüpfungen
Uhren

TXT_10

Lokal Fern

TXT_11 AUS Betrieb Test Parametrieren

TXT_3 AUS Betrieb Test Parametrieren

Start | fr | it | de | Abmelden | AnzBenutzerL5 SBB CFF FFS

AKS_SSA | **TXT_SSA**

Bedienen/Beobachten

Kommunikation

Weiterleitung

Zusatzziel

Rückfallebene

Parametrierung

Kommunikation

Weiterleitung

Zusatzziel

Rückfallebene

zurück

SSA Betriebsart: SSA Fehler: SSA Übersteuerungen: TXT_67

FBWL 0