

Workshop Confirmation

SIMATIC PCS 7 Process Safety

Mr. Paolo Baccara

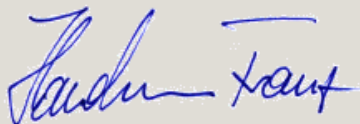
of Tecnica Elettronica

has participated and passed successfully the exam
in the mentioned workshop in the scope of

Siemens Solution Partner Automation

from 15. March 2017 to 17. March 2017 in Karlsruhe, Germany.

Content	see attachment
ID	WSPS17E04
Host	PD PA S AE PTM
Chair	PD PA AE SUP SPS
Speaker	Mr. Dieter Müller



Partner Manager Process Safety
Germany Karlsruhe

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Workshop Content WSPS17E04

Target group	<ul style="list-style-type: none"> Planners of safety-related systems in the process industry (hardware & software) Candidates for SFSP (Siemens Functional Safety Professional)
Goal	<ul style="list-style-type: none"> Good theoretical knowledge and practical skills F-Technic on specialist level i.e.: <ul style="list-style-type: none"> - creating of a PCS 7 conform safety applications with CFC and Safety Matrix - assessment of safety instrumented functions - calculation and setting of F-relevant times Option: Proof of theoretical knowledge and practical skills as entry requirement for the SFSP audit
Contents	<ul style="list-style-type: none"> Basics from IEC 61508 and IEC 61511 LOPA (Layer of Protection Analysis) and Risk graph by means of a safety instrumented function SIF PFD (Probability of Failure on Demand), Calculation of an SIF System architecture and diagnostics in safety components (Hardware, Software, Communication COM) Overview about F-Hardware Parameter in HW-Configuration (safety mode, sensor evaluation, addressing, monitoring time, H-Parameter) F-Library system functions (F-Shutdown, Partial Shutdown Groups) F-Library user functions (Safety Data Write, F-Quittes, COM, voting blocks) Applications (passivation, reintegration, block typical) Safety Matrix Calculate and adjust F-times using S7ftimeb.xls (reaction-, monitoring times)
General	Duration 3 days, Speaker Mr. Dieter Müller, Host PD PA S AE PTM
Remark	<p>There is an exam option at the end of the workshop (multiple choice)</p> <p>Each participant will be provided with an own ES, AS and OS to make the practical exercises during the workshop</p>

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