

Safety Related Software Development

The goal of this training is to simplify the functional safety aspects of SW development in projects using Sauer-Danfoss products, tools and processes. Following the SW PDLP process will allow you to certify your software according to IEC 61508 and ISO 13849 standards.

The training will introduce:

- How to use the SW-PDLP development process, to create safe and certifiable software.
- How to utilize Safety Controllers in a functional safety project. This course will also introduce the new concept of the safety controller and give you a basic understanding of how it operates.
- New safety related PLUS+1 GUIDE features.

Products

PLUS+1 GUIDE & Service Tool, SW Product Development and Launch Process. PLUS+1 Safety Controllers.

Learning goals

Upon completion of this workshop, participants will be expected to:

- Realize the need of a structured development process like the Sauer-Danfoss SW-PDLP process.
- Understand how to use the Sauer-Danfoss SW-PDLP process in a functional safety project.
- Be able to contribute in functional safety SW development activities.
- Apply the PLUS+1 tools and products in a safe way.

Content:

- Introduction how to use the pre-certified SW-PDLP development process.
- Introduction to the functional safety activities involved in the SW-PDLP development process.
- Introduction to the functional safety features of the PLUS+1 tool chain.
- Highlights of the advantages of products and processes from Sauer-Danfoss.
- Good practices, with examples of functional safety implementation.

Participants

Software developers with PLUS+1 GUIDE experience.

Prerequisite

It is recommended to have participated in:

- Fundamentals of PLUS+1 GUIDE Programming.
- Sauer-Danfoss Risk Assessment and Evaluation.

Safe Tools

TÜV NORD
TÜV NORD Systems GmbH & Co. KG
Trusted Process
Software PDLP V4.0
Qualified up to SIL3
IEC 61508:2010
SEBS-A.162237/13

SW PDLP Version	SW PDLP Process	SW PDLP Product	SW PDLP Project	SW PDLP Status	SW PDLP Date	SW PDLP Location	SW PDLP Contact	SW PDLP Description	SW PDLP Comments	SW PDLP Action
3.53	70006001 SW_PDLP_PROCESS	Software Product Development and Launch Process	Project Name: Project	Changeable						
1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50	50	50	50
51	51	51	51	51	51	51	51	51	51	51
52	52	52	52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57	57	57	57
58	58	58	58	58	58	58	58	58	58	58
59	59	59	59	59	59	59	59	59	59	59
60	60	60	60	60	60	60	60	60	60	60
61	61	61	61	61	61	61	61	61	61	61
62	62	62	62	62	62	62	62	62	62	62
63	63	63	63	63	63	63	63	63	63	63
64	64	64	64	64	64	64	64	64	64	64
65	65	65	65	65	65	65	65	65	65	65
66	66	66	66	66	66	66	66	66	66	66
67	67	67	67	67	67	67	67	67	67	67
68	68	68	68	68	68	68	68	68	68	68
69	69	69	69	69	69	69	69	69	69	69
70	70	70	70	70	70	70	70	70	70	70
71	71	71	71	71	71	71	71	71	71	71
72	72	72	72	72	72	72	72	72	72	72
73	73	73	73	73	73	73	73	73	73	73
74	74	74	74	74	74	74	74	74	74	74
75	75	75	75	75	75	75	75	75	75	75
76	76	76	76	76	76	76	76	76	76	76
77	77	77	77	77	77	77	77	77	77	77
78	78	78	78	78	78	78	78	78	78	78
79	79	79	79	79	79	79	79	79	79	79
80	80	80	80	80	80	80	80	80	80	80
81	81	81	81	81	81	81	81	81	81	81
82	82	82	82	82	82	82	82	82	82	82
83	83	83	83	83	83	83	83	83	83	83
84	84	84	84	84	84	84	84	84	84	84
85	85	85	85	85	85	85	85	85	85	85
86	86	86	86	86	86	86	86	86	86	86
87	87	87	87	87	87	87	87	87	87	87
88	88	88	88	88	88	88	88	88	88	88
89	89	89	89	89	89	89	89	89	89	89
90	90	90	90	90	90	90	90	90	90	90
91	91	91	91	91	91	91	91	91	91	91
92	92	92	92	92	92	92	92	92	92	92
93	93	93	93	93	93	93	93	93	93	93
94	94	94	94	94	94	94	94	94	94	94
95	95	95	95	95	95	95	95	95	95	95
96	96	96	96	96	96	96	96	96	96	96
97	97	97	97	97	97	97	97	97	97	97
98	98	98	98	98	98	98	98	98	98	98
99	99	99	99	99	99	99	99	99	99	99
100	100	100	100	100	100	100	100	100	100	100

Dates Please visit our website

Duration 2-Days
 1 Day: 8:30 – 17:00
 2 Day: 8:30 – 17:00

Location Älmhult, Sweden
 Neumünster, Germany
 Nordborg, Denmark
 Minneapolis, USA

Registration Please contact your sales representative & price

Product No. 11133505

Website www.sauer-danfoss.com/Applications/FunctionalSafety

Language English