

RDS

Reference Designation System

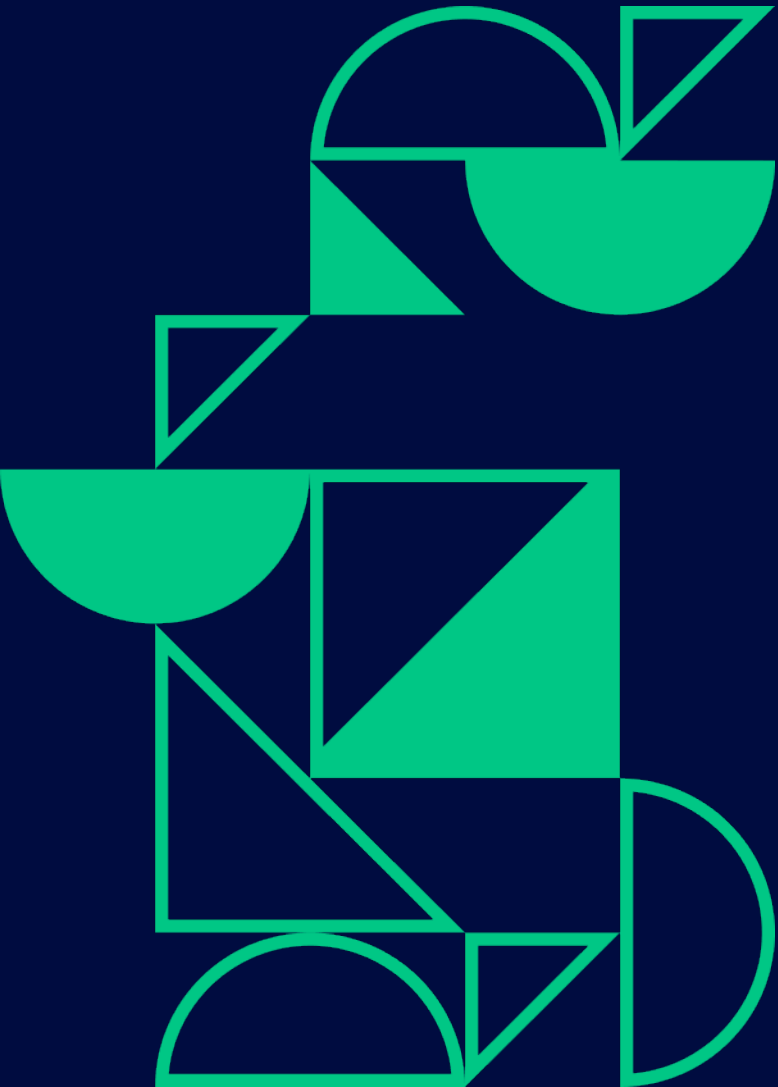
Introduction – Erik Wiborg

Klassifikasjon av byggverk 19/04



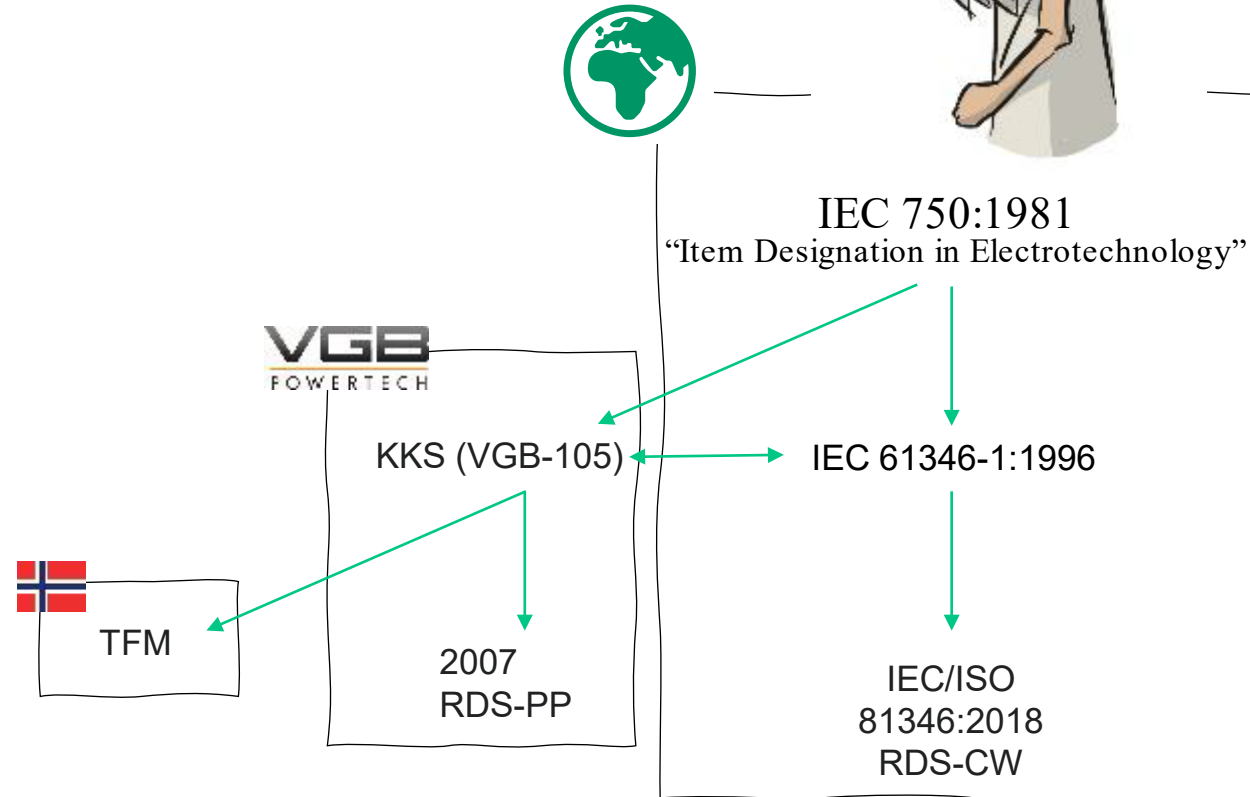
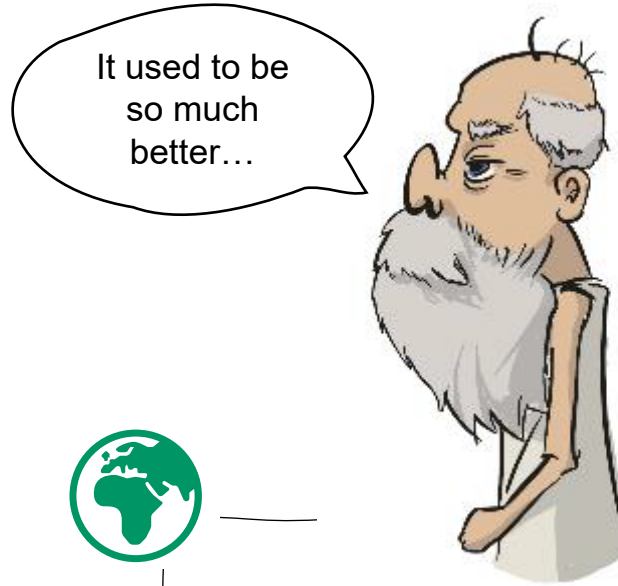
Menu du jour

1. Intro to the IEC/ISO 81346
2. Status and ongoing Work

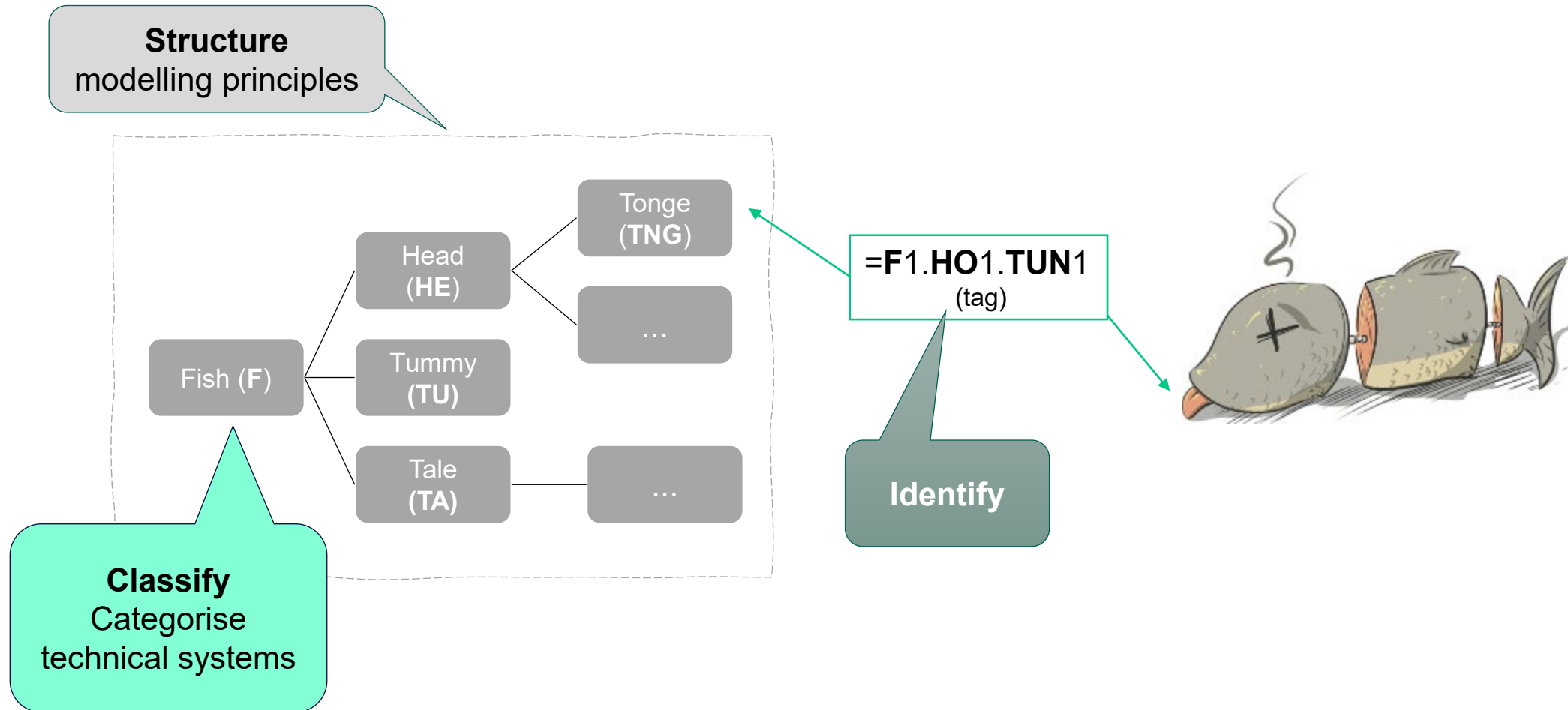


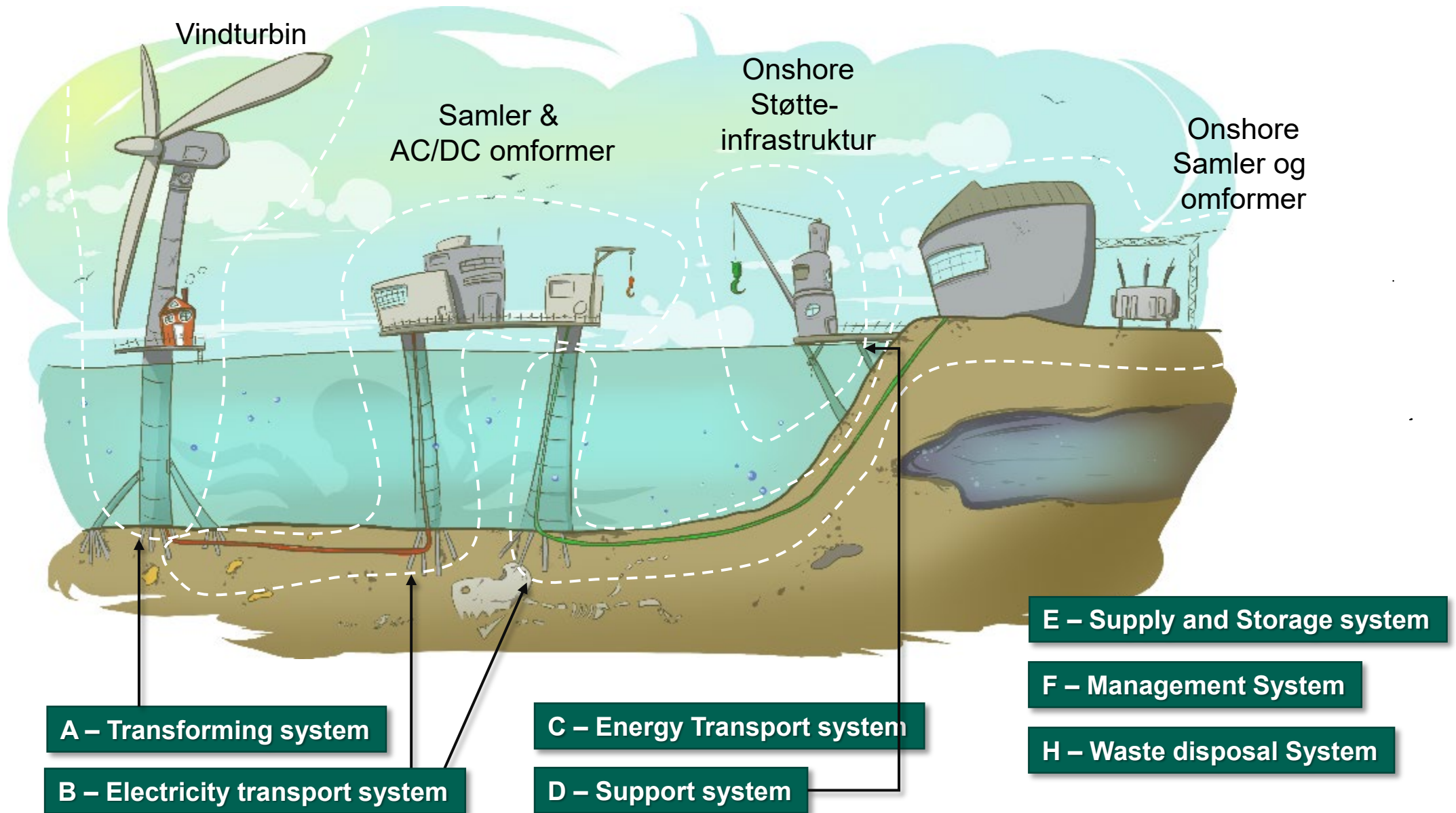


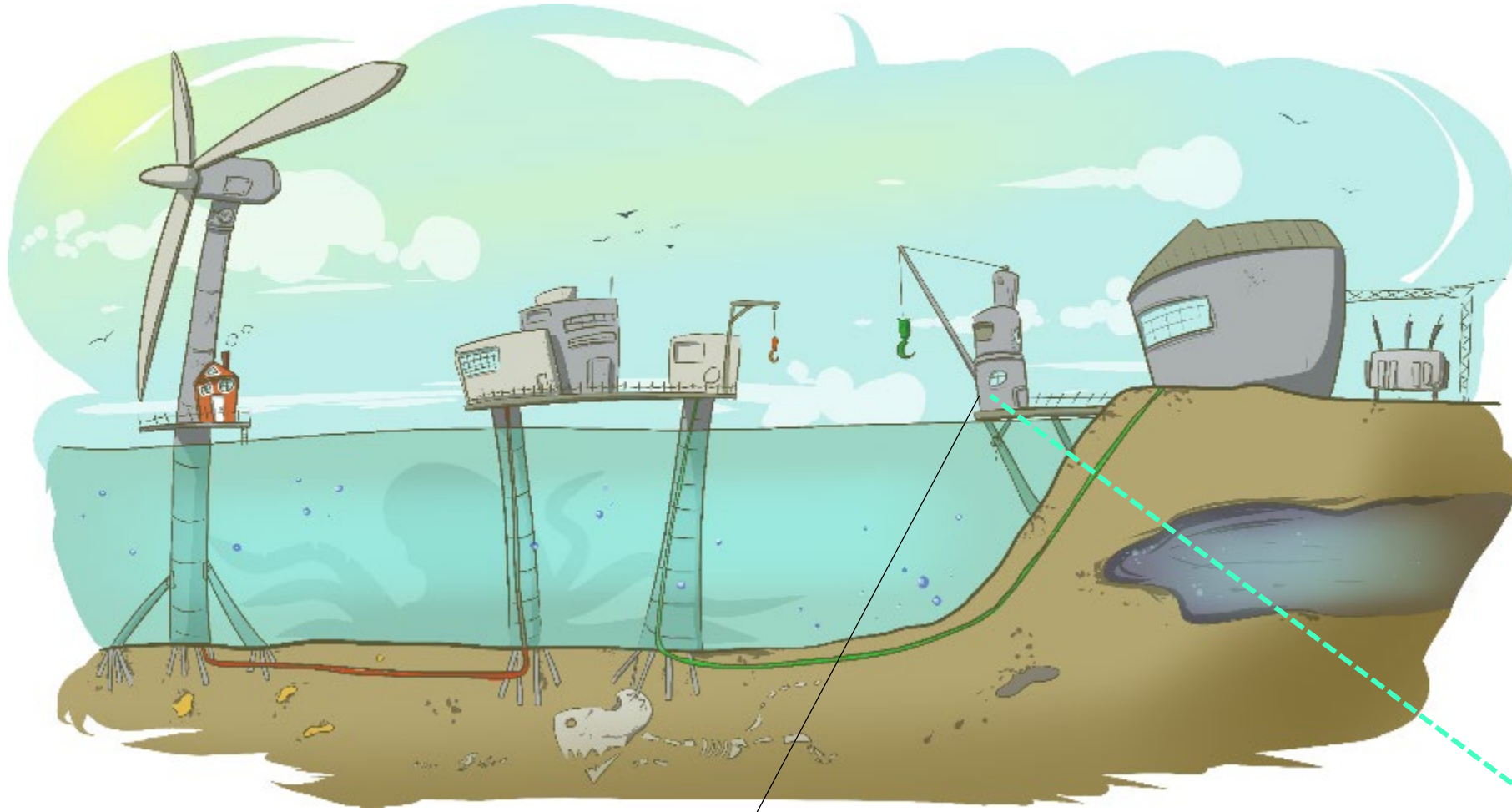
The History



What RDS does...



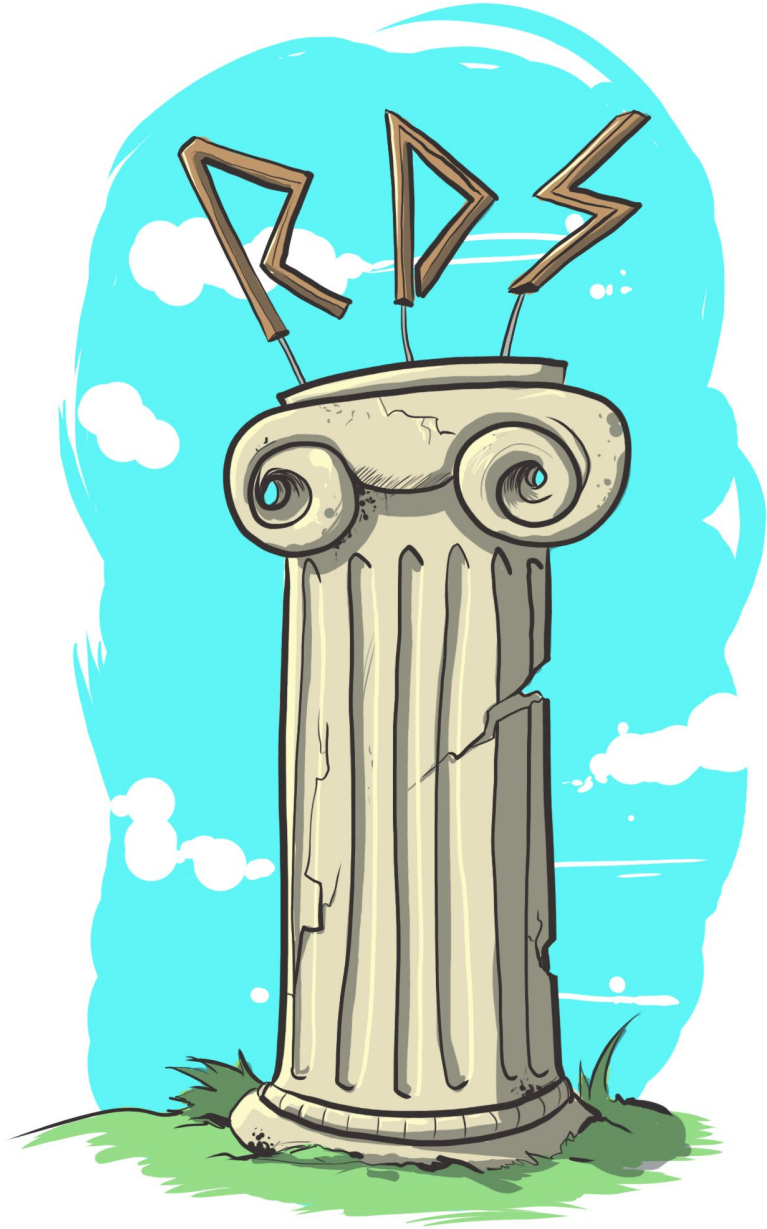




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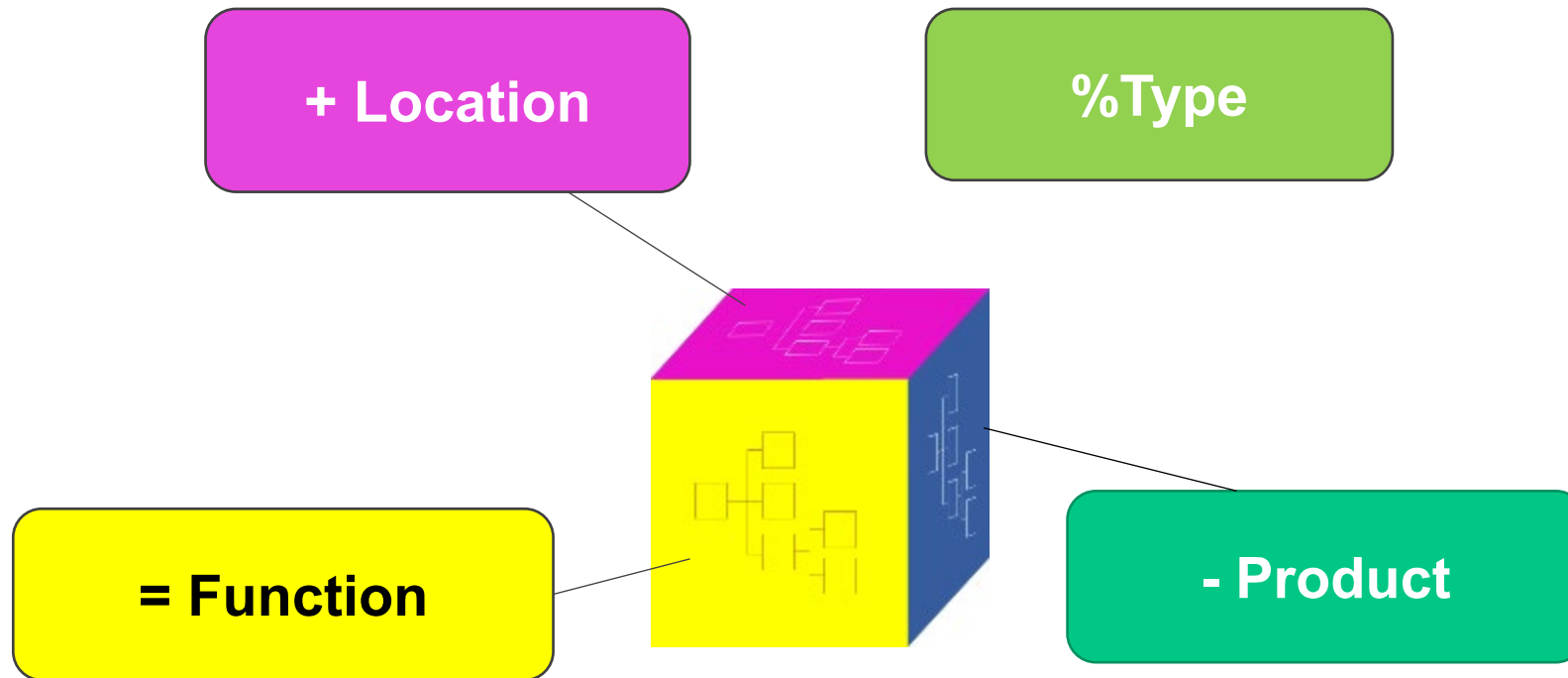
Docking System – Crane – Hydraulic Oil Supply System – Filter nr. 2 – Temp Display





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The Aspects



Rumpel010151DE

Rumpelstilzchen






**Grimm Bros. alley nr. 1
GERMANY**

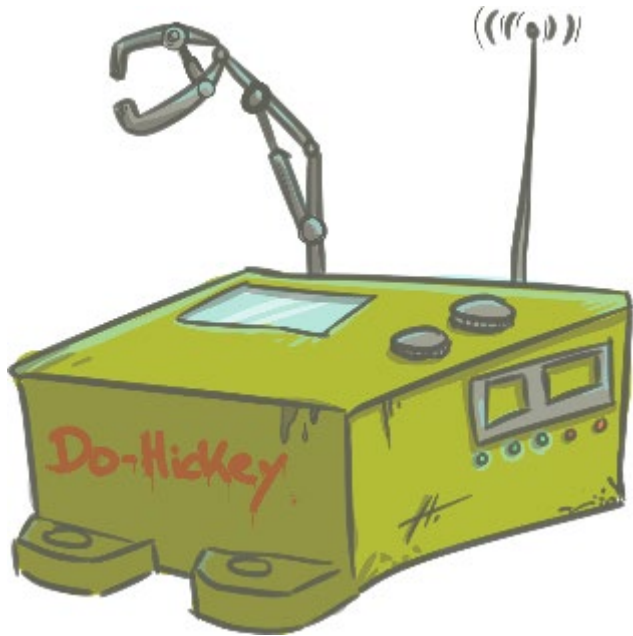
**Social Sec:
010151 12345**



Not enough space
Not digital friendly



-  $+R2=A1-G4$
-  $-B5.A1.LSW4$
-  $+A2.HJ14.FG4$

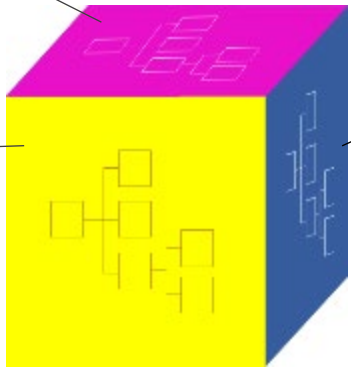


[=K2.GH14.FTH4
-B5.A1.LSW4
+A2.HJ14.FG4

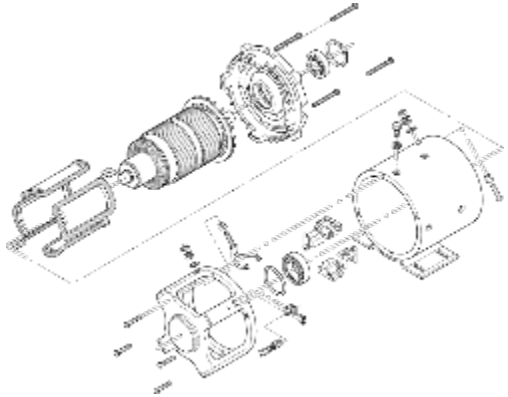
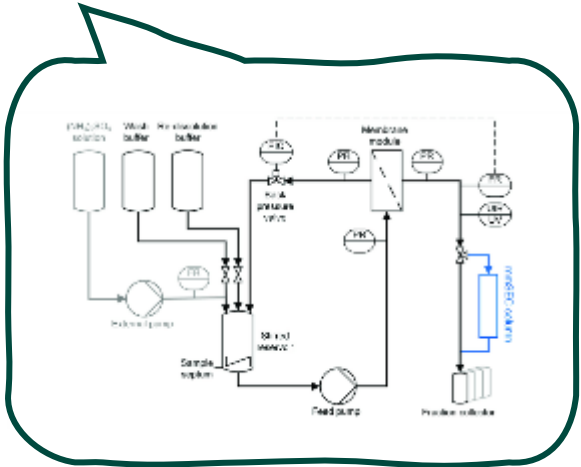
+ Location
+Plant+2floor+zone4

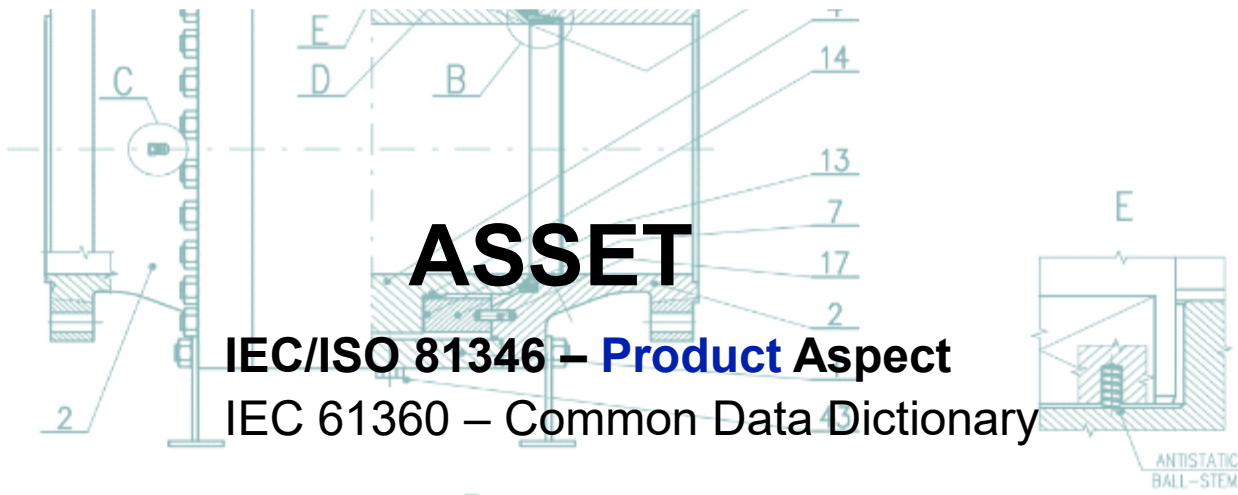


= Function
=Unit1=MIV=Bypass valve



- Product
-HPHydraulics-Mod2-Filter6



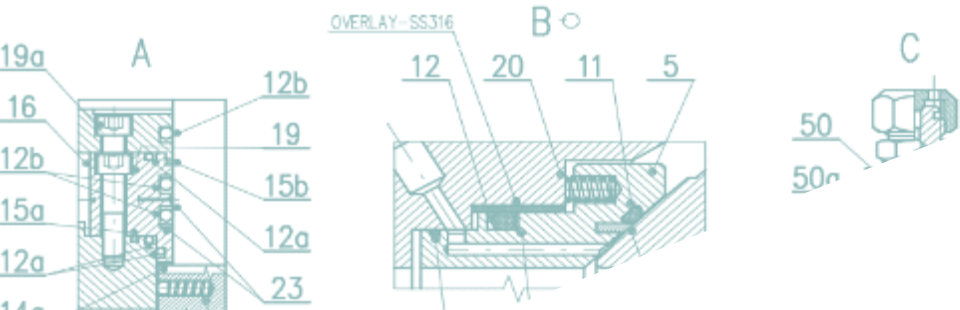


ASSET

IEC/ISO 81346 – Product Aspect

IEC 61360 – Common Data Dictionary

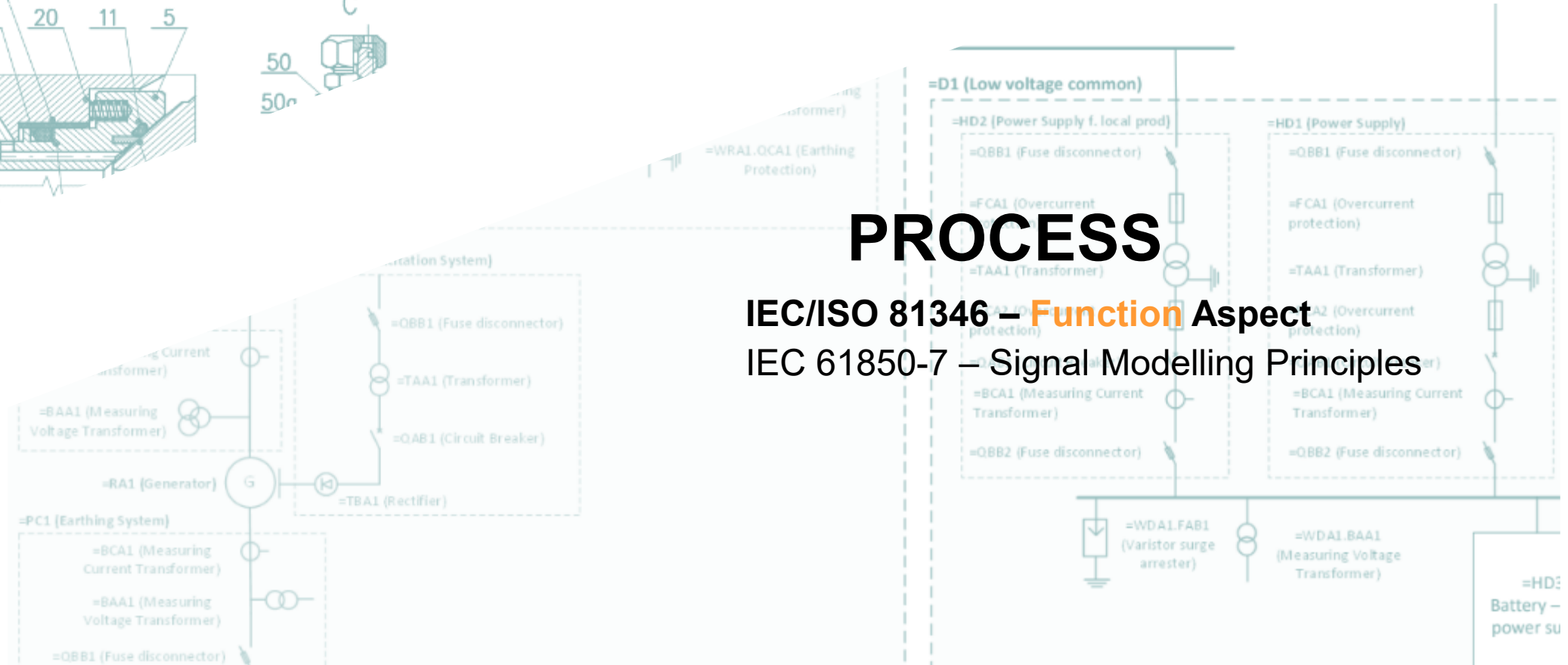
50c	SEAT,STEM-GREASE FIT.	ASTM A350 LF2 (3/8" NPT)
50	SEAT,STEM-GREASE FIT.	ASTM A350 LF2 (3/4" NPT)
44	PRESSURE PLUG VENT	ASTM A182 F316L
43	PRESSURE PLUG DRAIN	ASTM A182 F316L
25	STEM KEY	CSN 11 600 = AISI 1040
23	STEM "BK" RING	PTFE
22	SEAT "BK" RING	PIFE
20	SEAT SPRINGS	AISI 302
19a	CAPSEW ADAP. PLATE	ASTM A193 B7
19	CAPSEW GLAND	ASTM A193 B7
18	ADAPTER PIN	AISI 4140
17	TABLET PIN	AISI 4140
16	GLAND PLATE	ASTM A350 LF2
15c	FIR.S.RING COVER	GRAPHITE
15b	FIR.S.RING STEM	
15a	FIR.S.RING GLAND	
14a	UPPER W...	
14	L...	

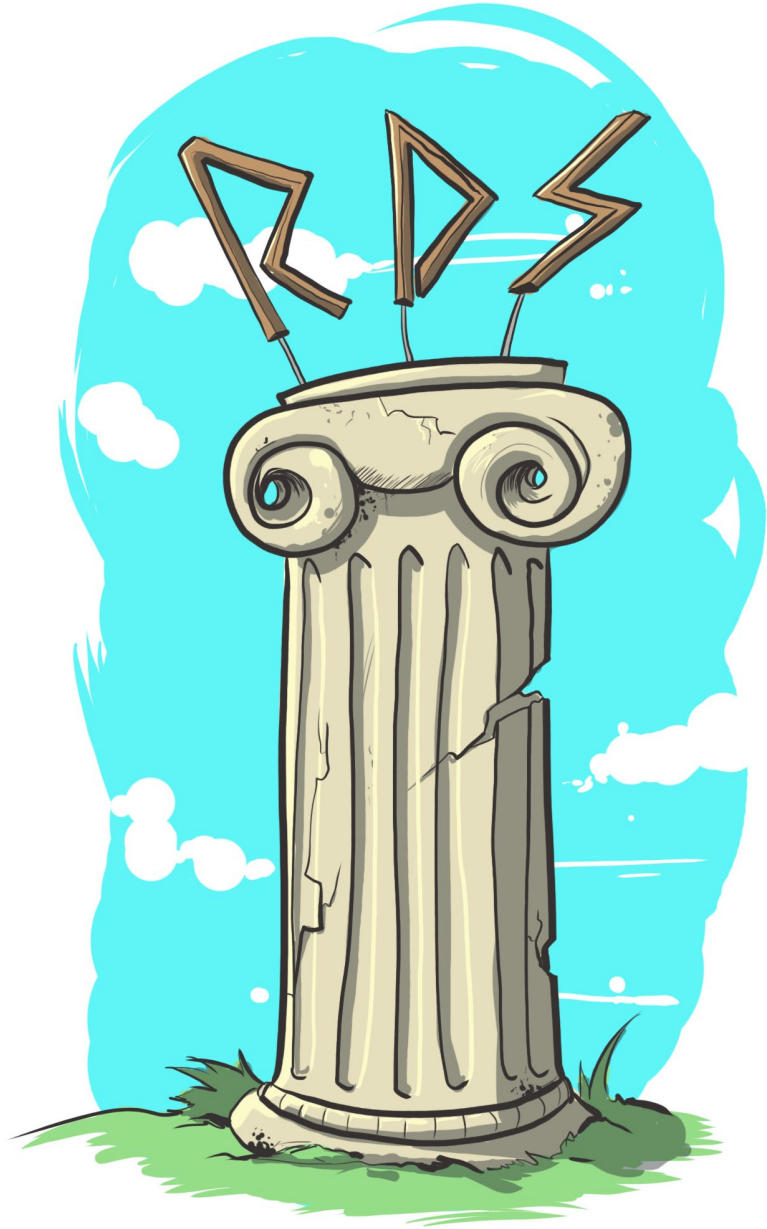


PROCESS

IEC/ISO 81346 – Function Aspect

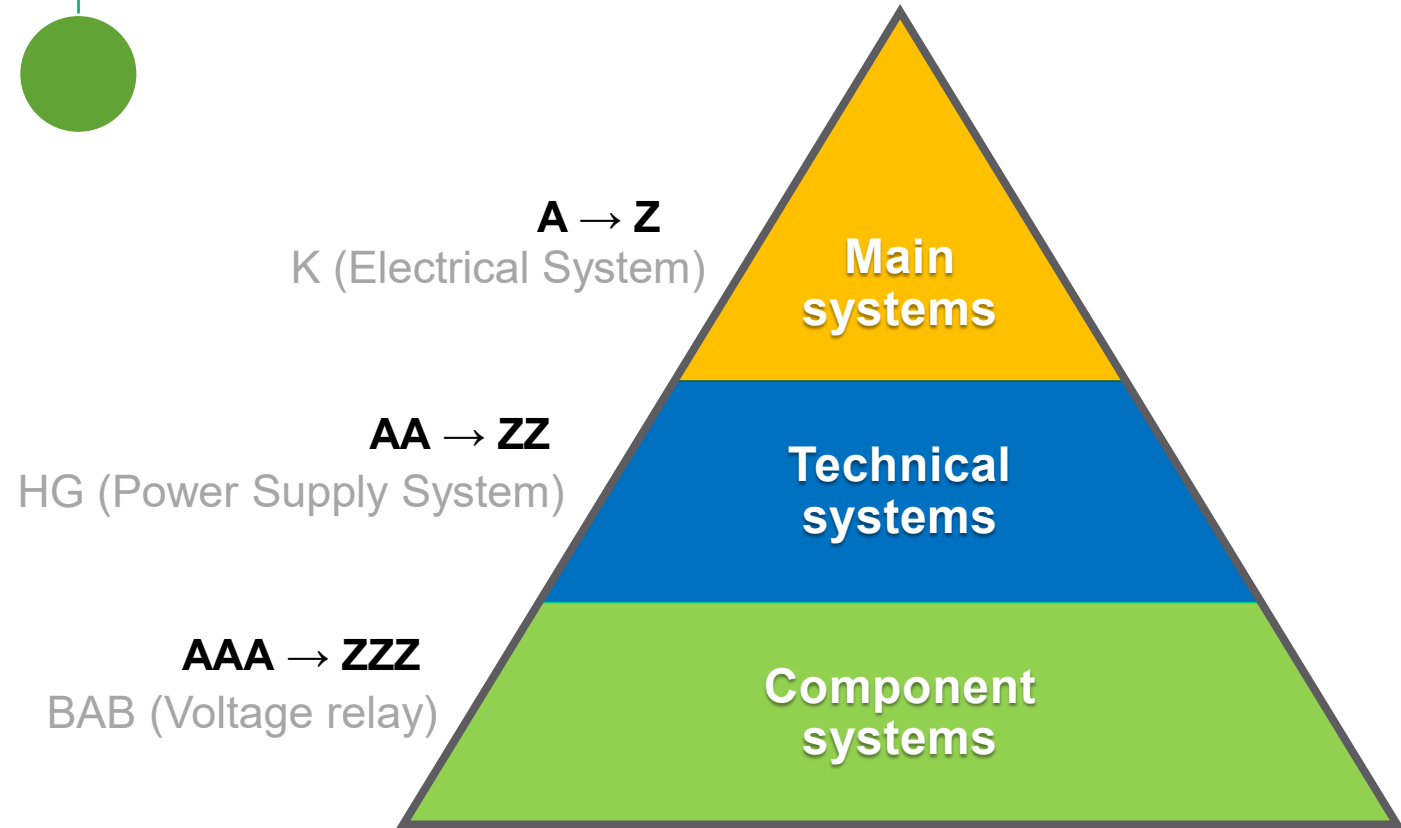
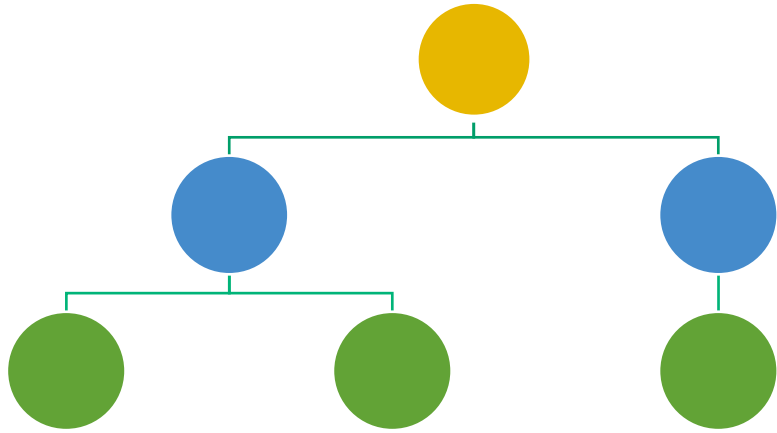
IEC 61850-7 – Signal Modelling Principles

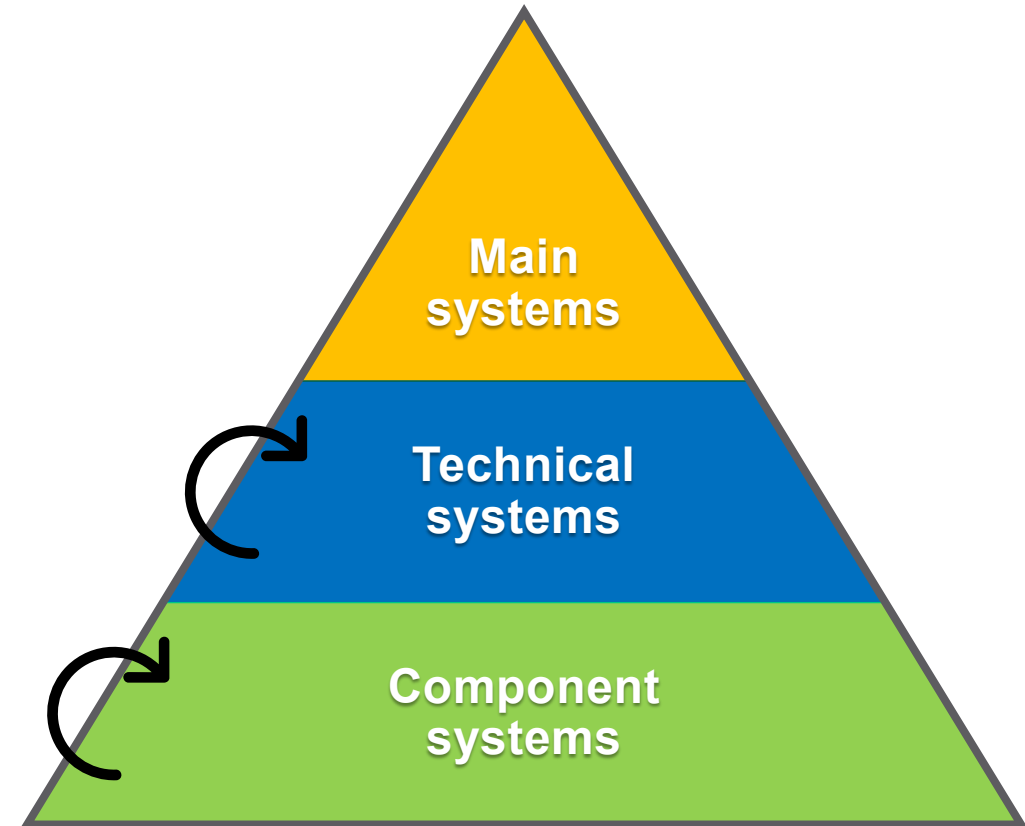
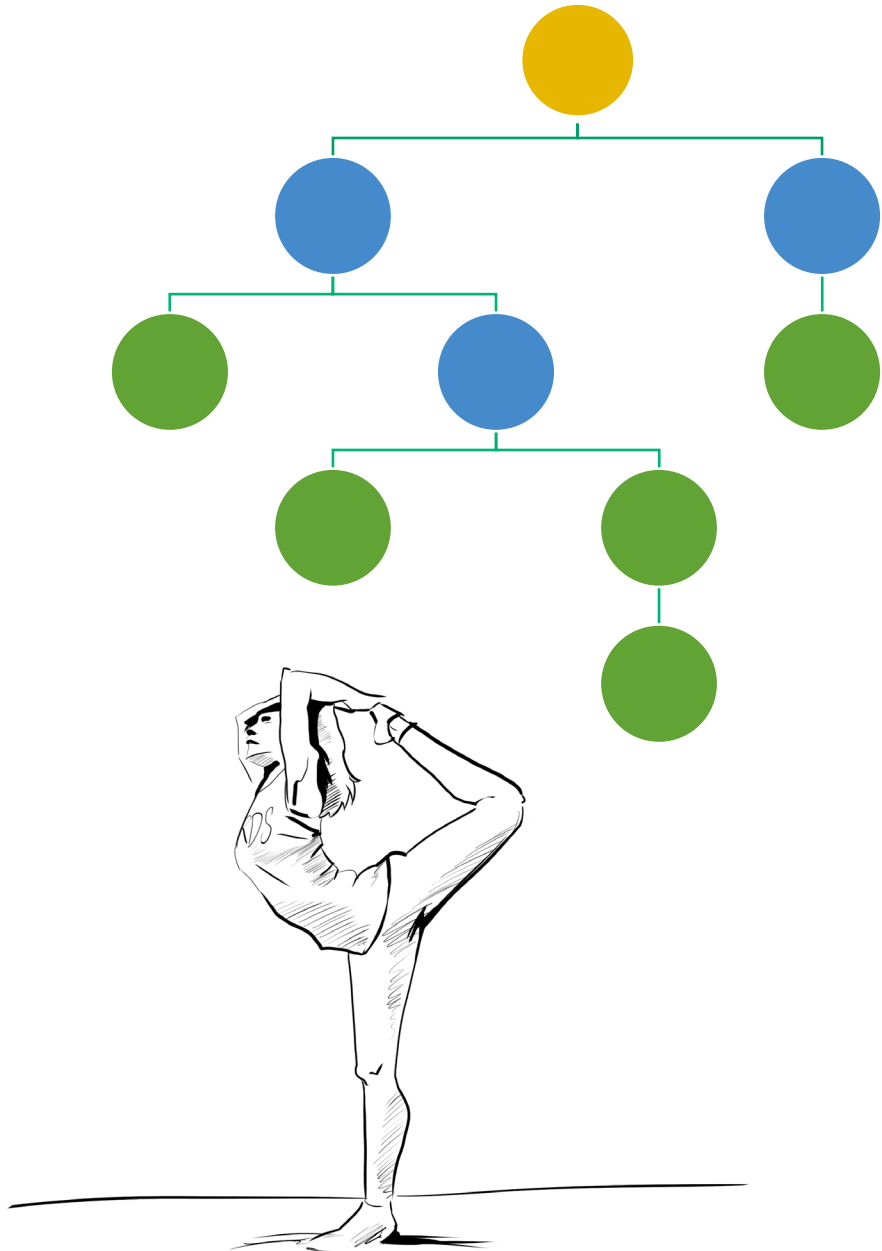


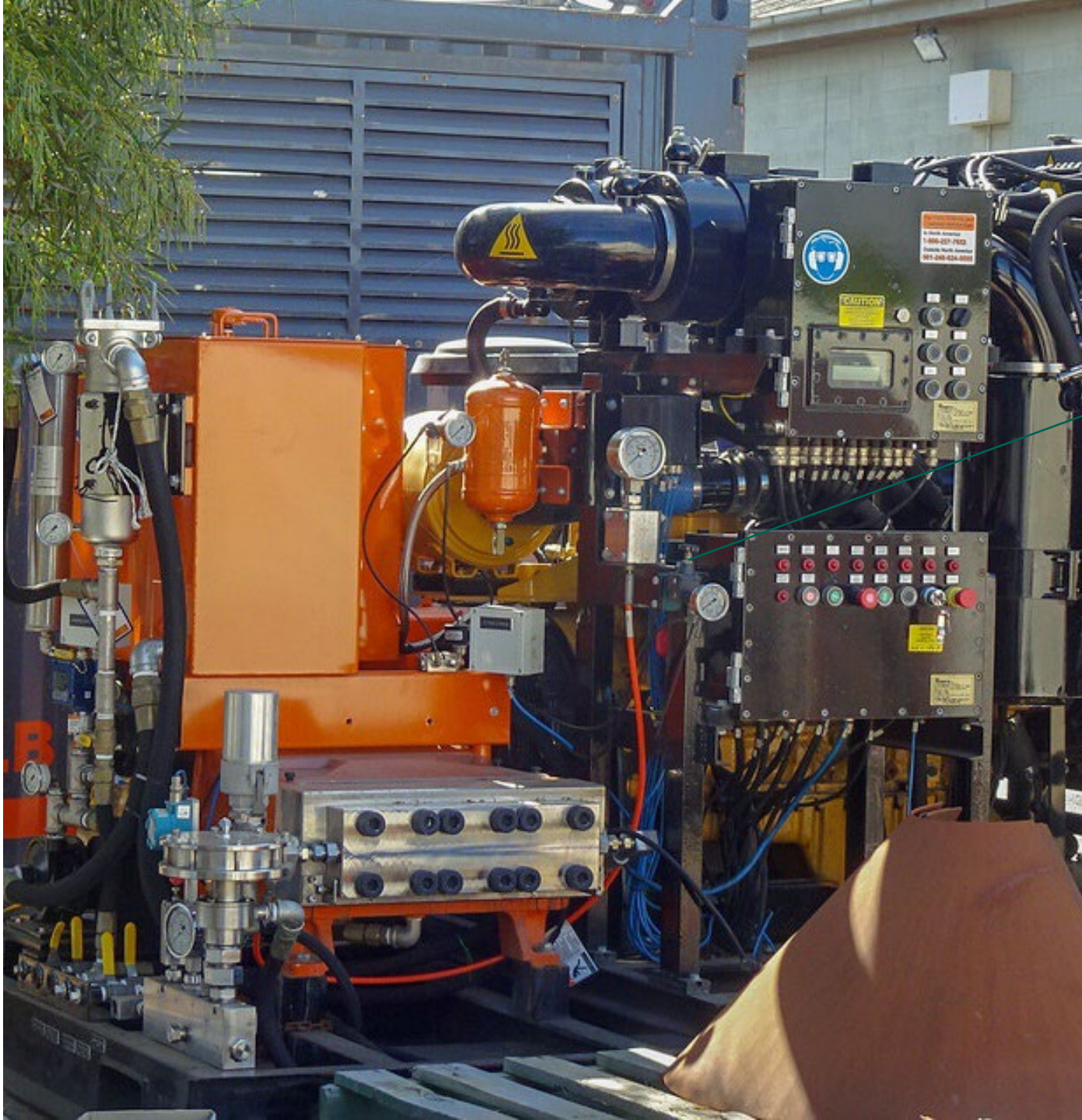


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The Classification



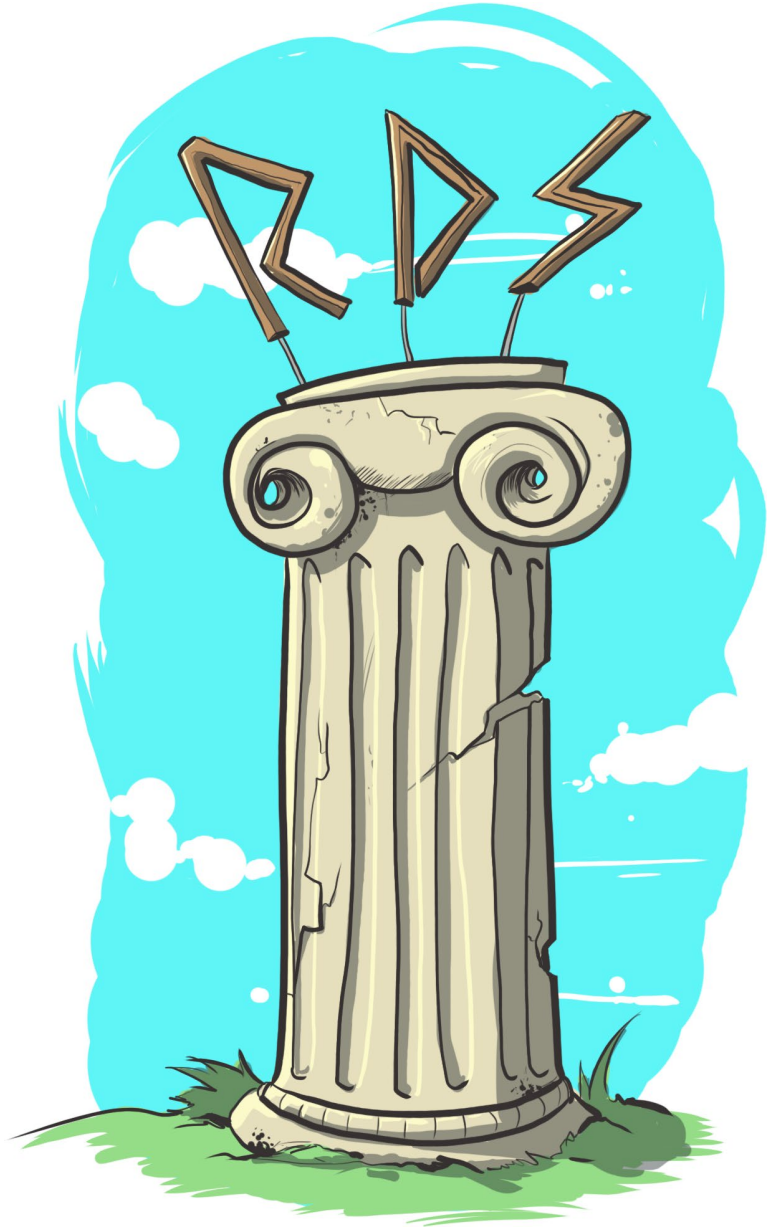




Standardized,
unambiguous tag



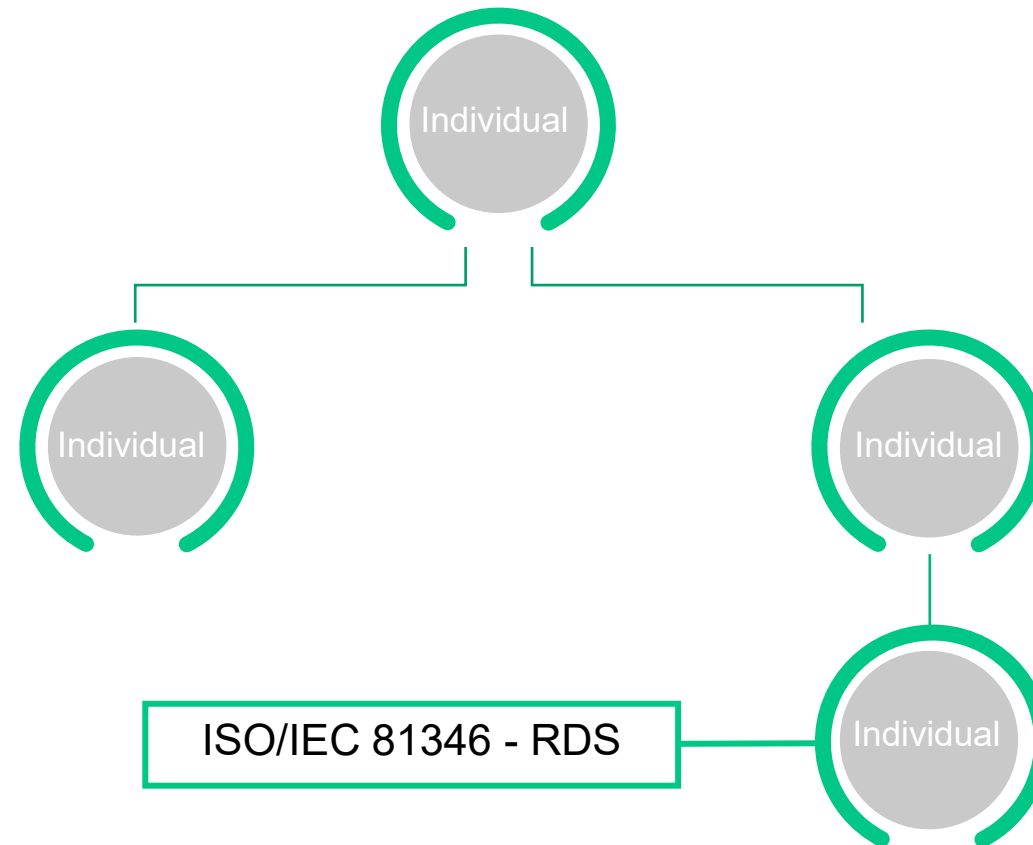
=A1.KA1.JB1.QMA1.MAA1.MMA1.BPA1



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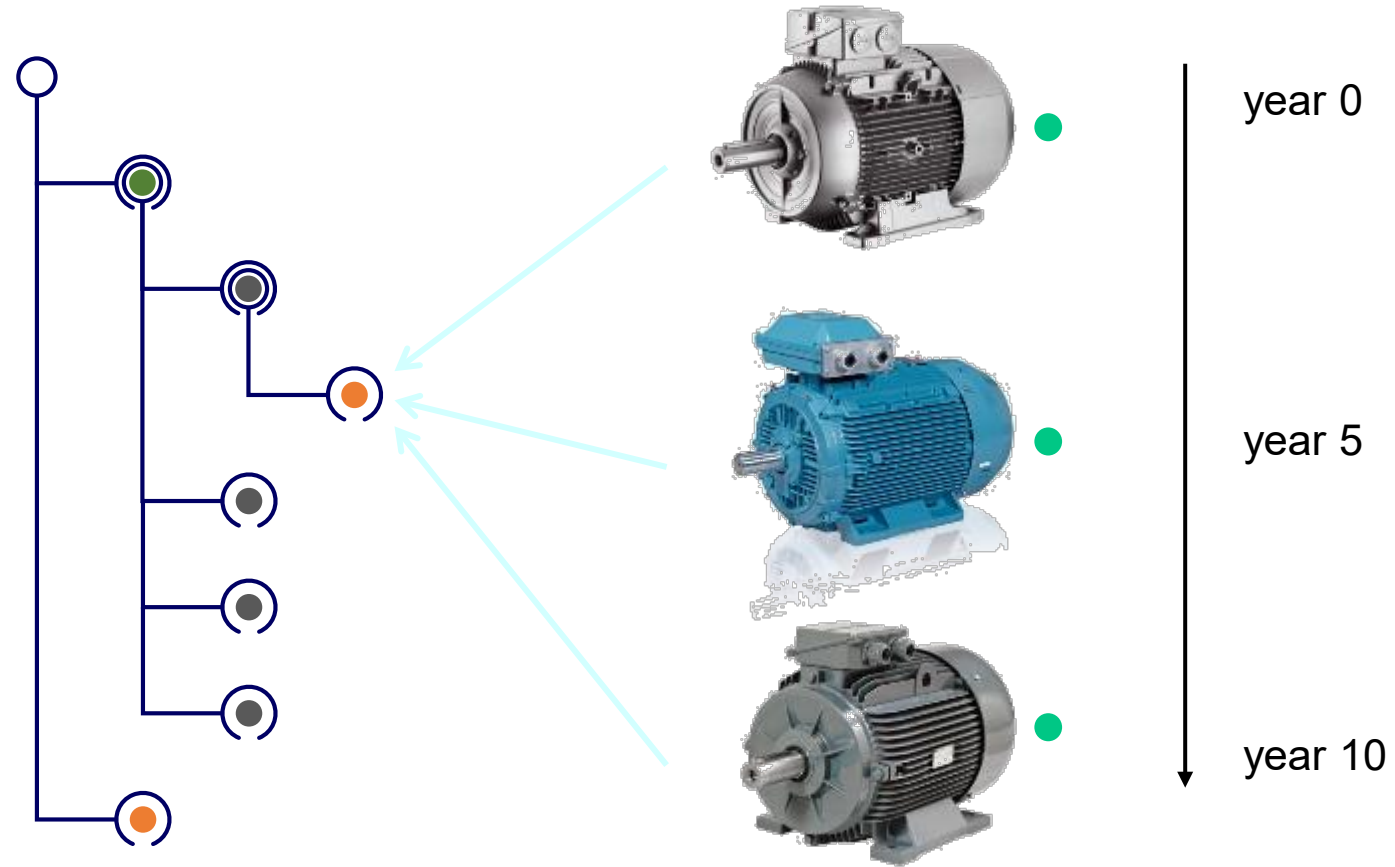
Concept:
Occurrences

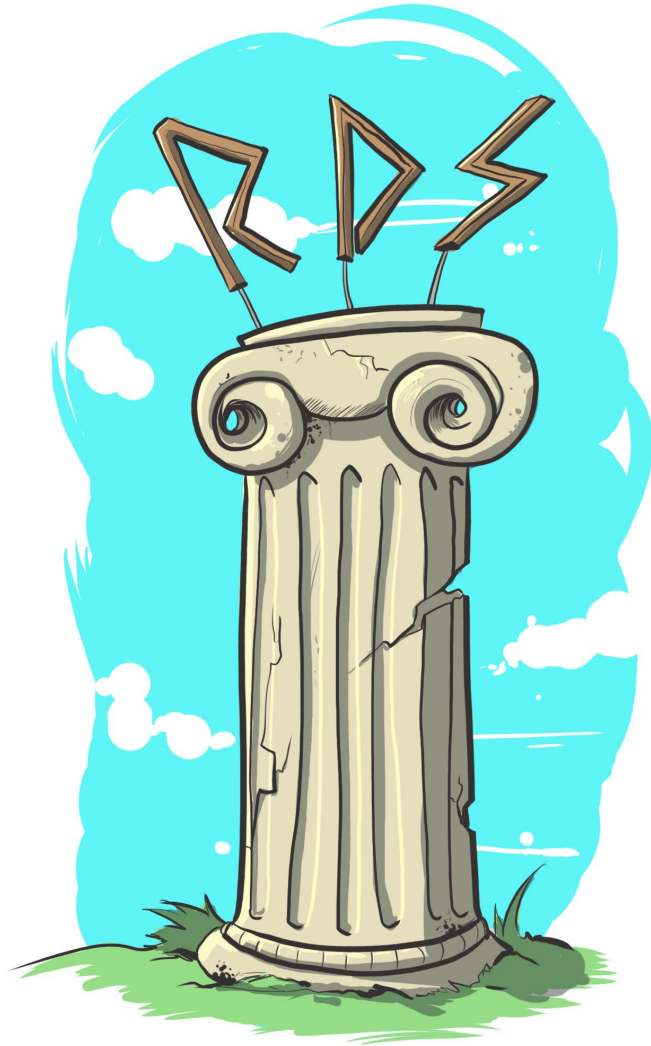
The Occurrence and the individual



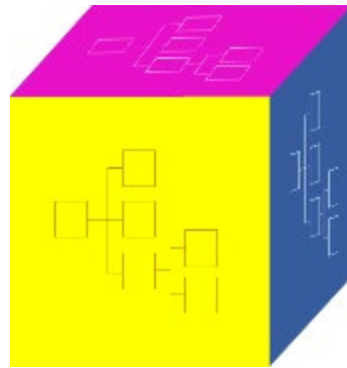


An MAA, is an MAA

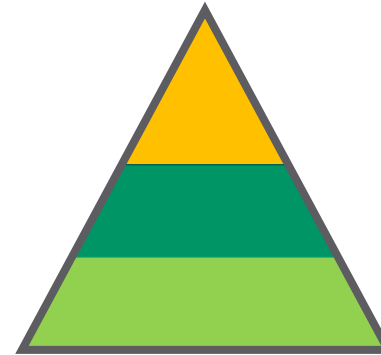




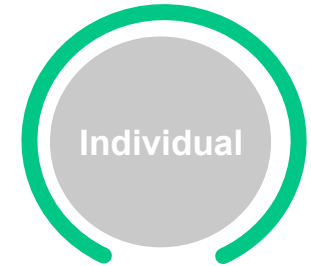
I



II



III



81346 series

ISO TC10 / IEC TC3 JWG10

- Part 1: Basic concepts and rules
- Part 2: Generic classes and more....
- ~~Part 3: Withdrawn~~

- Part 10: Power Supply Systems
- Part 12: Construction Works
- Part ??: Aircraft
- Part ??: Oil and Gas
- Part 14: Manufacturing
- Part 16: Infrastructure

- Part 50: Processes

- Part 101: Guide for the Power
- Part 102: Guide for Hydro power
- Part 103: Guide for Wind power
- Part 104: Guide for Solar power
- Part 105: Guide for Traction
- Part 106: Guide for Substation

- ...



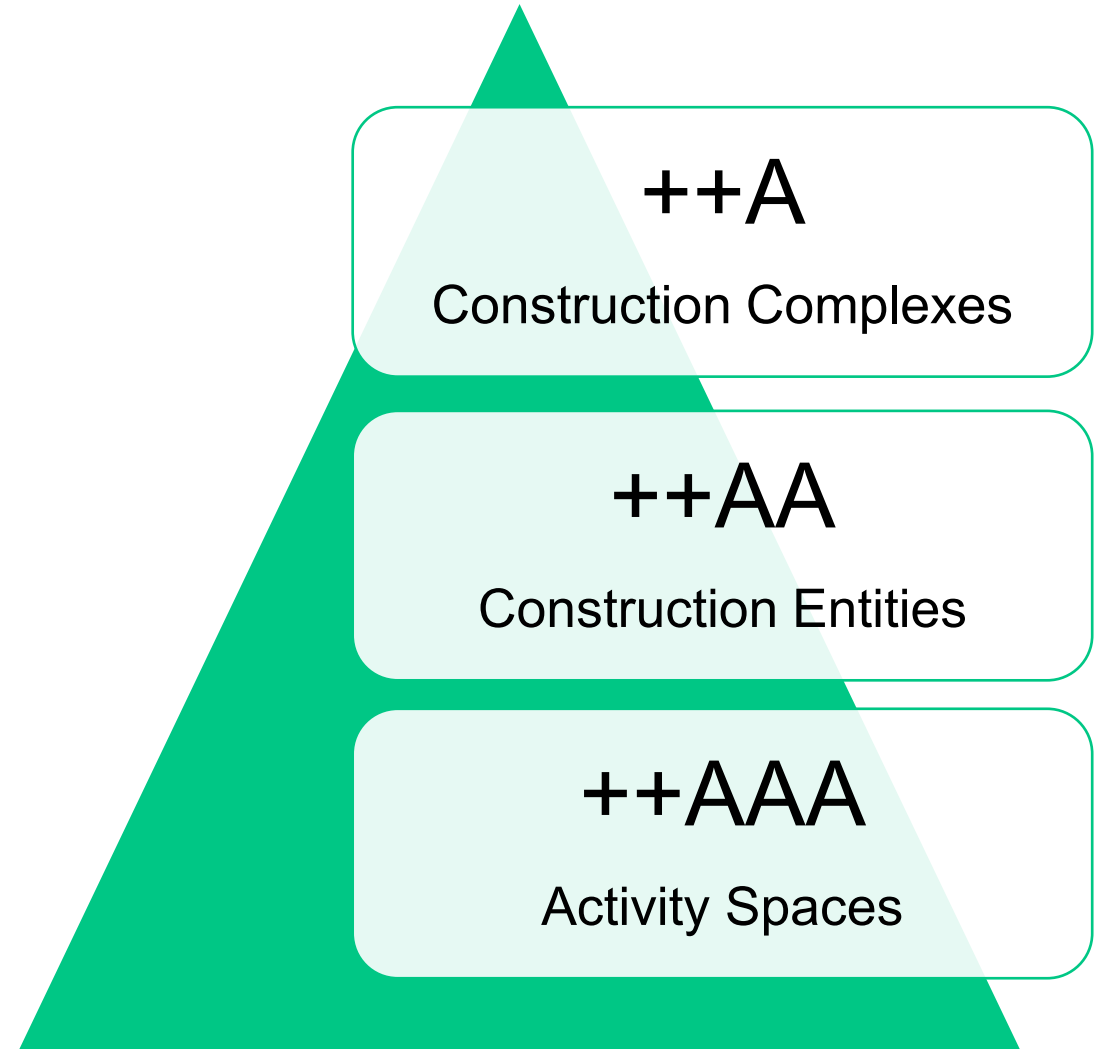
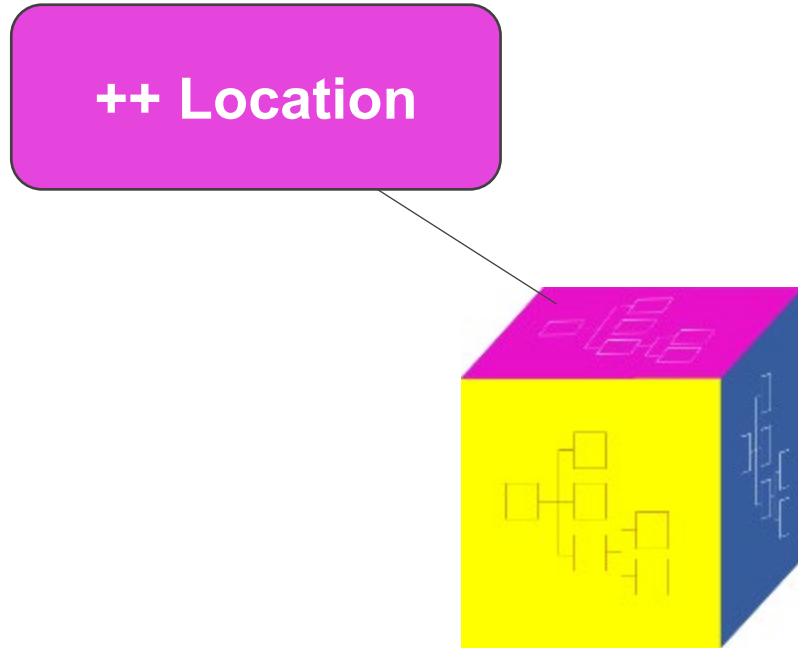


Power Sector Implementation

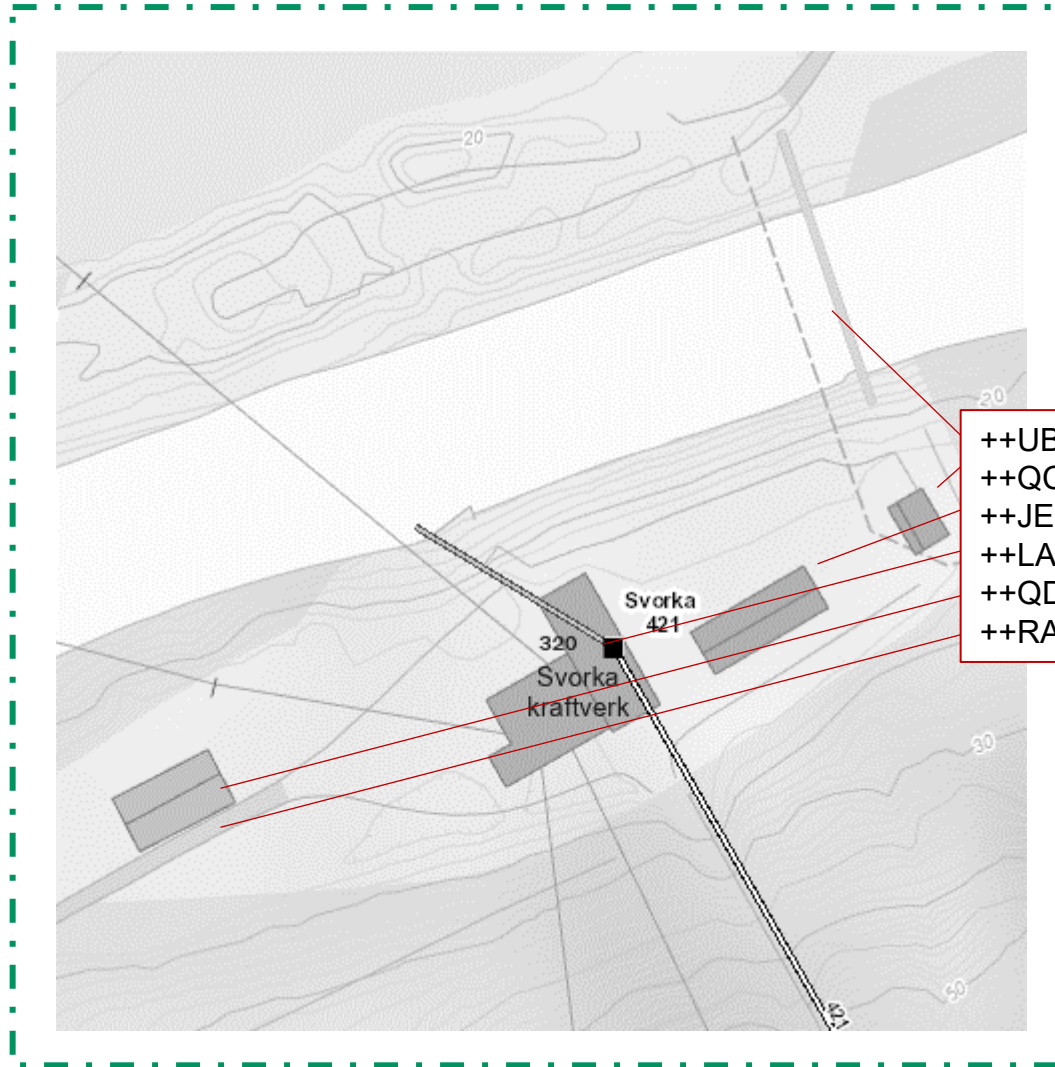




Building Classification?



++L1 Energy Supply Complex



++A
Construction Complexes

++AA
Construction Entities

++AAA
Activity Spaces

7.2 Classification of construction entities

Table 6 – Classes of construction entities

Class	Sub class	Definition	Class name	Examples
A		Construction entity intended for housing	Residential building	
	AA	Residential building of one household	Single-dwelling building	Row house, summer house
	AB	Residential building households		
	AC	Residential building more households		



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Construction Classification International Collaboration (CCIC)

CCIC is a non-profit organisation advocating the adoption of a common construction classification system. This will help to increase international competitiveness, improve cooperation and knowledge sharing and enable faster adoption of digital working methods in the construction and real estate sectors.




SN/K 381



SN/K 518



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Strukturering av anlegg og referansebetegnelser 2023

Ønsker du kunnskap om strukturering av anlegg og referansebetegnelser (RDS)?

[Registrer deg her](#)



Meld deg på 11. mai



The product aspect is used to highlight the constructional relationship between the parts of the



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