

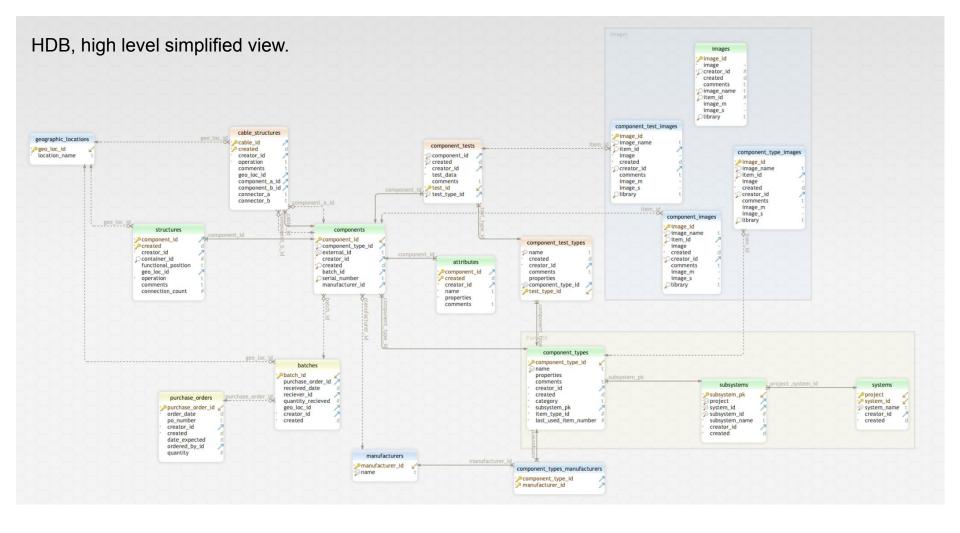
Hardware DB - PID DB

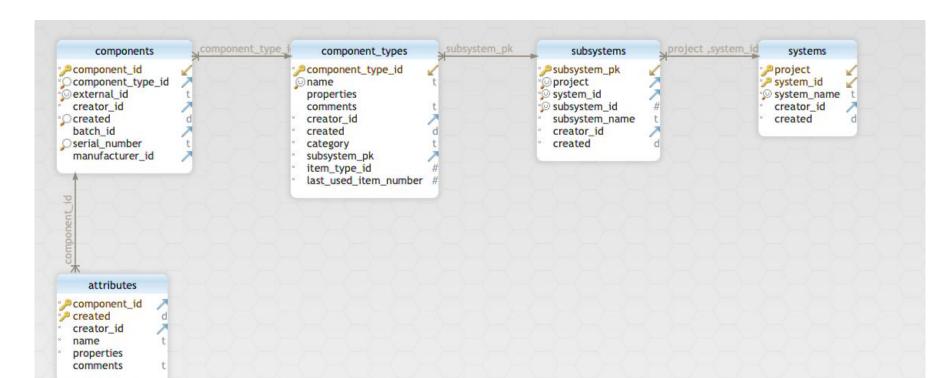
Stephen White, Vladimir Podstakov October 2021



	А			В		С		D	E		F			G	
1	Project	System	Name		S	ystem ID	Subsystem I	Name	Subsyste	m ID Item Nam	ie		lt	em Type ID	
2															
3	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3	3 Completed APA			1 Top APA					1
4	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3	Completed APA			1 Bottom APA	1 Bottom APA				2
5															
6	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3	APA Frame			2 Head bar	2 Head bar				
7	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	3 APA Frame			2 Foot bar					1
8	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3 APA Frame				2 High slot side bar					
9	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	3 APA Frame			2 Low slot side bar					
10	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	APA Frame			2 Ribs					
11	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	APA Frame			2 Conduits top					
12	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	APA Frame			2 Conduits bottom					3
13	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	APA Frame			2 Mesh panels					-
14															
15	D	FD1-HD Anode Plan Assemblies (base wire planes)			3	3 Geometry Boards			3 X layer head board						
16	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3 Geometry Boards				3 X layer middle foot board					
17	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3	3 Geometry Boards			3 X layer foot b	3 X layer foot board				-
18	D	FD1-HD Anode Plan Assemblies (base wire planes)			nes)	3 Geometry Boards				3 U layer midd	le foot board	Ł			-
19	D	FD1-HD Anode Plan Assemblies (base wire planes)				3 Geometry Boards				3 U layer high foot board					
20	D	FD1-HD Anode Plan Assemblies (base wire planes)				3 Geometry Boards				3 U layer low foot board					
21	D	FD1-HD Anode Plan Assemblies (base wire planes)				3 Geometry Boards				3 U layer middle side board, no slot					
22	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3 Geometry Boards				3 U layer middle side board, slot					
23	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3 Geometry Boards				3 U layer end side board					1000
24	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3 Geometry Boards				3 U layer middle head board					1
25	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	Geometry Board	ds		3 U layer left e	nd head boa	rd			1
26	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	Geometry Board	ds		3 U layer right	end head bo	ard			1
27	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	Geometry Board	ds		3 V layer midd	e and right I	nead board			1
28	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	Geometry Board	ds		3 V layer left h	ead board				1
29	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3	Geometry Board	ds		3 V layer midd	e foot board	1			1
30	D	FD1-HD Ar	node Plan Assen	nblies (base wire plan	nes)	3 Geometry Boards				3 V layer end foot board					1
31	D			nhlies (hase wire nla		3 Geometry Boards				3 V laver middle side hoard no slot					1
32	D	D /1 /1 /5	004 000	004.000	2006	1	0004 5555		44.77	004.000		00.00		200 1	_
33	D	D/I/L/P	001-999	001-999	0001-	-	0001-FFFF	-	AA-ZZ	001-999	-	00-99	00	0-99	
34	D				FFFF										
	-	Droject	System	Subsystem	Item	Dach	Item	Dach	Country	Responsible	Dach	Detector		inal	In

D/I/L/P	001-999	001-999	0001-	-	0001-FFFF	-	AA-ZZ	001-999	-	00-99	00-99	001-999
			FFFF									
Project	System	Subsystem	ltem	Dash	ltem	Dash	Country	Responsible	Dash	Detector	Final	Intermediate
80	ID	ID	Type ID		Number		of Origin	Institution ID		ID	Destination	Destination
F	F	F	F		F		F	F		М	М	М





D/I/L/P	001-999	001-999	0001-	-	0001-FFFF	-	AA-ZZ	001-999	-	00-99	00-99	001-999
20 40 40			FFFF									
Project	System	Subsystem	ltem	Dash	Item	Dash	Country	Responsible	Dash	Detector	Final	Intermediate
**	ID	ID	Type ID		Number		of Origin	Institution ID		ID	Destination	Destination
F	F	F	F		F		F	F		М	М	М

2 New Tables, and some fields:

- Systems
 - Project, System Id, System_name
- Subsystems
 - Subsystem pk (internal sequence number),
 - Project, System Id (to link back to Systems)
 - Subsystem id Subsystem name
- Component_types (Item Type)
 - Subsystem_pk
 - Item_type_id
 - Last_used_item_number
- Components
 - External_id (time to rename to part_id)
- Attributes (The mutable data)
 - Detector ID
 - Final Destination
 - Intermediate Destination

New Forms & changes:

- Systems data entry form
- Subsystems data entry form
- Component_types should display system/subsystem it is part of?
- Form to request 1-N Labels
 - We expect HDB to return 2 files
 - 1 with bar coded labels
 - 1 with QR coded labels

Workflow

How will the Data Entry of Components into HDB be done?

- Under the current system it is done manually by the users
 - o Part IDs are complex, human errors will occur when Part IDs are entered.
- HDB creates a component for every label generated.
 - Part IDs (the unique part) will always be entered correctly and the field will become non-editable by users.
 - * There will be empty records as users request more labels then they use.