## lantva

Databases – Standard or bespoken version - for fast pre-engineering of basic Utility - Sizing of:

- Ventilation and AHU Load
- Water Mains in Raisers Lines in Shafts – Cold and Hot Water
- Water Metering Sizing for Consumption Measuring – Cold and Hot Water
- Sewage Lines

The sizing is based on Creation of all Rooms with ventilation air change based on classification of room. Creation of Toilets and Café automatically adds water use and these will only need to attach to main line in a shaft. Sewage Lines will automatically follow water. Fast and Easy predesign.

Mean water flows by default calculated based on DS428. Other calculation Basis' can be added.

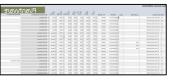
Full Specification report will be created. The Report will be ready for issuing RFP/RFQ's within the first few days after project start.

P-Engineering uses MS Access for User interface and Database engine can be Desktop Database or SQL Server Solution.

Contact Information: Christian Pallesen; +45 2526 8805; cp@p-engineering.dk

Utility Pre-Sizing

tabase:



	Cearing Town	Centring Foom		Cleaning Toom	Pangetroprum med vasik		0	
	Cole + Xikrien	Technical Room	Kan Technical Installations	Colle Machine	Collee Manhine in Cale			
	Cole + Xitchen		Kan Technical Instalations	Cold Weer	Cold Water in Cells	0	. 15	
	Cele + Hitchen		Kain Technical Installations	Hitten Tee	Kitchen in Office Areas	- 0	U.	
	Cele + Hitten		Net Technical Installations	History Vest	Kitchen West in Cells	- 0		
				Sunnay to 'RoonLeveNsi' t. SHAFTO (21 deal work)				
					Four its - to diversity factor	36,68	20,10	
					Four Its - Dimensioning	1,0	US	
					Page (C) (pr2)2 mS	48	6	
					ing the stational state	4.3	3.4	
							10	
					Plan: Its - Dimensioning	1,72	1,91	
					Ppi (0) \$r\$5 m5	8	a	
					low. Its - no diversity better	8,01		
					Flax: Its - Dimensioning	2,38	4,864 = 55	
					Per (0) (r 0) ed	87	4.8082	

A -JO-LHF01. ANU Auditorium							PENDING								
04	Venti	lation Auditorium Dock	06 - Pert I &	U; Bel	Iding Part	C.									
Heating		Supply Temperature Injout	55°C	25	Christoph	Desired Overcapacity	( 2)	<b>%</b>			٨Y	Sappl	Temp		2010
Coelin		Supply Temperature Initial	1010		HLC (1640	Dosired Oversapasity	6 1	15					Temp		1710
Contrait Temp.: Heat Resource;		Variable Temp, Actual Temp. Input to EPHasaans: Rotating Heat Exchanger					Fixed Pressure, input from BMS								
Proses	e Lass:	Istake Duct System: Exhaust Duct System:	60 PM 60 PM			Farward Duct System Return Duct System:		50 F							
Environment Corrusion Cl		Corrusion Class / EN 1244	64		Approgato Placement:			Dubide; Roof - No Rain Cover							
BR18L	6:	SEL/SPPx value - Maximul 1	31/Jec												
15.001	Di lin	in the second			-	Company Name	P.	n h j	N	- Pa	• 0.4	PN .	APD.	(MA)	
15-01	THE PROPERTY.				No. of Concession, Name of	Committee Online	-		-	-				-	-
	Address		the opportune for		Autoria 191	UpAdda	-	_	-	-	-	-	-	- 2	-
			Sennen for Konstanthi + 94.0 deal ecodol Rox In - ni diverzy hoo KDB KDB KDB												
		Fasi	equire Bolt v. Bols	136 x	108 G	nder Den is Stale 148		Pee			690		654		
		JEFO1. ANU Auditorium							-		100		2700		

Picture above from Data Input Forms and Water Sizing Calculation Report and Report for a Ventilation System =J04.HF01 will all details ready for requesting a Quote for AHU's.

Data Source can be common with e.g., the Room Specification Database, so user input does not need to be done twice. See link for more information: https://p-engineering.dk/onewebmedia/P-631\_DatabaseRoomSpecification Rev01\_CP\_2021-06-09.pdf