

A vertical bar on the left side of the slide, transitioning from orange at the top to purple at the bottom.

IFC-SG

Quick start exercise – MEP discipline

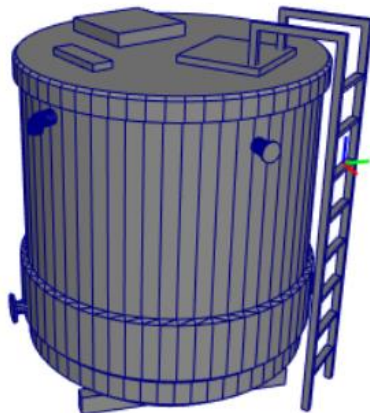
MEP Discipline

EXERCISE 01 :

Preparing a storage tank with nominal capacity information

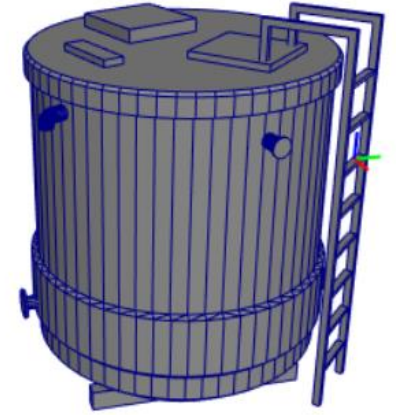
	A	B	C	D	E	G	H	I	J	K	L	M	N
1	Agency	Identified Component	Identified parameters	Revit Representation	Archicad Representation	Bentley OpenBuildings Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit
2	PUB	Detention Tank	Capacity	Mechanical Equipment	Flow Equipment	Equipment	MEP	IfcTank	STORAGE	Pset_TankTypeCommon	NominalCapacity	Real	N.A

IFC EXPORT OUTCOME



Name	Value
Element Specific	
Guid	19oP3Ib7rDFf73U0RW186
IfcEntity	IfcTank
Name	Storage Tank:Storage Tank:321705
ObjectType	Storage Tank:Storage Tank
PredefinedType	STORAGE
Tag	321705
Pset_EnvironmentalImpactIndicators	
Reference	Storage Tank
Pset_TankTypeCommon	
NominalCapacity	2 000
Reference	Storage Tank

MEP Discipline



EXERCISE 02 :

Preparing a **potable water tank** and indicating the **diameter** of the tank

	A	B	C	D	E	G	H	I	J	K	L	M	N
1	Agency	Identified Component	Identified parameters	Revit Representation	Archicad Representation	Bentley OpenBuildings Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit
2	PUB	Water Tank (Potable Water)	Diameter	Plumbing Fixtures	Flow Equipment	Equipment	MEP	IfcTank	*POTABLEWATER	SGPset_TankDimension	Diameter	Length	mm

IFC EXPORT OUTCOME

Name	Value
Element Specific	
Guid	19oP3Ib7rDFf73U0RW1Fq
IfcEntity	IfcTank
Name	Storage Tank:Storage Tank:321883
ObjectType	POTABLEWATER
PredefinedType	USERDEFINED
Tag	321883
Pset_EnvironmentalImpactIndicators	
Pset_TankTypeCommon	
SGPset_TankDimension	
Diameter	650

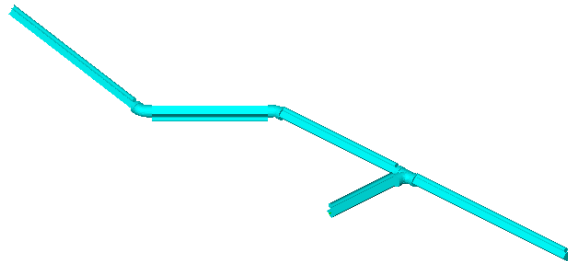
MEP Discipline, Systems

EXERCISE 03 :

Preparing the Sanitary System

Agency	Identified Component	Identified parameters	Revit Representation	Archicad Representation	Tekla Structures Representation	Bentley OpenBuildings Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name
PUB	Sanitary System	N.A	Piping Systems	MEP System	N.A	System	MEP	IfcDistributionSystem	*SANITARY	N.A	N.A

IFC EXPORT OUTCOME



Name	Value
Entity Information	
Type	IfcDistributionSystem
Internal Type	IfcDistributionSystem
IFC OID	3965
GUID	2ZnUIZw759KfzksNhjjxZ
GUID (readable)	a3c5e4a3-e871-4952-9f6e-d97aedb2dee3
Name	SANI-Sewer 3
Description	?
Object Type	SANITARY
Predefined Type	USERDEFINED