

Hose Tower Datasheet

1.1 CONTACT INFORMATION

Contact details			
Company			
Location			
Contact person		e-mail	

1.2 PROJECT PLANNING

Project details			
Project	<input type="checkbox"/> Replacement	<input type="checkbox"/> Facility expansion	<input type="checkbox"/> New terminal / plant
Project phase	<input type="checkbox"/> Budget	<input type="checkbox"/> FEED Study	<input type="checkbox"/> Tender
Planned date of site delivery			

1.3 ENVIRONMENTAL DETAILS

Environmental influences			
Location	City		Country
Terminal / plant name			
Temperature	Min		Max
Seismic load			Peak ground acceleration (g)
Max wind speed stored position			M/s
Max wind speed maneuvering			M/s
Hazardous Area Classification			ATEX / NEC

1.4 GENERAL REQUIREMENT

Hose tower 1

JLA Product	Product / Medium	Flowrate m ³ /h	Diameter (inch)	Operation	
Hose Loading Arm 1				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 2				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 3				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose loading Arm 4				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 5				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 6				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 7				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic
Hose Loading Arm 8				<input type="checkbox"/> Electric	<input type="checkbox"/> Hydraulic

1.5 HOSE TOWER TYPE

☐ Conventional



- Construction with solely hoses
- Operated by crane

☐ Hybrid



- Hose Loading Arms with combination of rigid arm with swivel joints and hoses
- Operated by winch and crane

☐ Knuckle type



- Knuckle Hose Loading Arms with additional outboard arm
- No crane required, operated by cylinders and winches

☐ Integrated



- Hose Tower with hose loading arms and integrated gangway and cranes.
- All operated from one control panel or even one radio remote control

1.6 DESIGN DETAILS

Hose tower 1

JLA Product	Design pressure (bar)	Design temperature (min/max °C)	Operating mechanism	
Hose Loading Arm 1			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 2			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 3			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose loading Arm 4			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 5			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 6			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 7			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder
Hose Loading Arm 8			<input type="checkbox"/> Winch	<input type="checkbox"/> Cylinder

1.7 TOWER CONSTRUCTION

JLA Product	Details		Required	
Number of floors				
Integrated gangway			<input type="checkbox"/> yes	<input type="checkbox"/> no
Number of cranes	<input type="checkbox"/> rigid	<input type="checkbox"/> Telescopic boom	<input type="checkbox"/> yes	<input type="checkbox"/> no
Firefighting system			<input type="checkbox"/> yes	<input type="checkbox"/> no
Access	<input type="checkbox"/> Stairs	<input type="checkbox"/> Ladders		
Drip tray			<input type="checkbox"/> yes	<input type="checkbox"/> no
Hose Reel			<input type="checkbox"/> yes	<input type="checkbox"/> no

1.8 ACCESSORIES

Hose tower 1

JLA Product	QCDC	ERS	Product valve	Tracing and insulation	Vapour return line
Hose Loading Arm 1	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 2	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 3	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose loading Arm 4	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 5	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 6	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 7	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Hose Loading Arm 8	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no

1.10 DIMENSIONS (WHEN AVAILABLE)

Jetty Dimensions			
A	Face of Hose Tower to dock face		
B	Dock face to compressed fender		
C	Dock level to lowest low water	Min	
D	Difference between lowest low water and highest high water	Max	
	The minimum ship size	DWT	
	The maximum ship size	DWT	
Vessel Data			
K	Min. Distance from ship railing to ship connection flange	mm	
L	Max. Distance from ship railing to ship connection flange	mm	
M	Minimum difference between Lowest low water and ship flange	mm	
N	Maximum difference between Highest high water and Ship Flange	mm	
O	Minimum spacing between ship flanges	mm	
	Maximum spacing between ship flanges	mm	
P	Rail height	mm	
	Is the rail removable?	mm	
Q	Height of center of ship flange to deck	mm	
Ship Movements			
T	Heave	mm	
U	Sway	mm	
V	Surge	mm	
Additional jetty dimensions			
E	Centerline of inlet flange to dock level	mm	
G	Dock face to flange face	mm	
H	Any dock conditions that limit the arm design	mm	
I	Any dock conditions that limit the arm design	mm	
J	Spacing between different Hose Loading Arms	mm	

1.11 CONTROL SYSTEM

Berth information

Berth customer reference	
No. of New Marine Loading Arms	
No. of existing Marine Loading Arms	

Item		Configuration	Hazardous area classification	Included <input type="checkbox"/> yes <input type="checkbox"/> no
1	Automatic Tidal compensation	Range alarms and automatic adjustments		<input type="checkbox"/> yes <input type="checkbox"/> no
2	Hydraulic Power Unit	Outside on jetty		<input type="checkbox"/> yes <input type="checkbox"/> no
3	Operation Control Panel at jetty nearby MLA	<input type="checkbox"/> Outdoor on jetty <input type="checkbox"/> Indoor in Berth control room		<input type="checkbox"/> yes <input type="checkbox"/> no
4	Satellite control panel	<input type="checkbox"/> outdoor on berth		<input type="checkbox"/> yes <input type="checkbox"/> no
5	PLC control cabinet	<input type="checkbox"/> Integrated in operation control panel <input type="checkbox"/> Standalone PLC cabinet in control room		<input type="checkbox"/> yes <input type="checkbox"/> no
6	Radio remote control			<input type="checkbox"/> yes <input type="checkbox"/> no
7	Pendant remote control	<input type="checkbox"/> On berth <input type="checkbox"/> At (shipside)		<input type="checkbox"/> yes <input type="checkbox"/> no