

Notes:

- Each bidder needs to consult all data mentioned in this worksheet and based on his own on-site dimensional measurements, to confirm / verify that all offered electrical enclosures shall be able to be fitted/installed in the place of the existing ones and that all new cables can be installed & terminated.
- Four (4)** new enclosures are required in total for each STS : **Two (2)** at the back reach and **Two (2)** inside the trolley's machine room.

<p align="center">STS 3&4 FESTOON OVERHAUL Cabinets (Electrical Enclosures) [Technical requirements of <u>new</u> cabinets - Data & per STS]</p>					
Pos.	Cabinet Pos.	1	2	3	4
1	Description	Electrical enclosure	Electrical enclosure	Electrical enclosure	Electrical enclosure
2	Type	Junction Box for Low Voltage Power Cable connections. Including all internal parts & equipment for the connections.	Junction Box for Control/Signal Cable connections. Including all internal parts & equipment for the connections.	Junction Box for Low Voltage Power Cable connections. Including all internal parts & equipment for the connections.	Junction Box for Control/Signal Cable connections. Including all internal parts & equipment for the connections.
3	Installation location / Usage	STS backreach / Rated for outdoor installation.	STS backreach / Rated for outdoor installation.	Trolley machine room / Rated for outdoor installation.	Trolley machine room / Rated for outdoor installation.
4	Dimensions (existing cabinets) [Width (mm) x Height (mm) x Depth (mm)]	600 mm x 1600 mm x 400 mm	600 mm x 1600 mm x 400 mm	600 mm x 1600 mm x 400 mm	600 mm x 1600 mm x 400 mm
5	Dimensions (new cabinets) [Width (mm) x Height (mm) x Depth (mm)]	Data input by bidder (conforming/appropriate with existing space constraints)	Data input by bidder (conforming/appropriate with existing space constraints)	Data input by bidder (conforming/appropriate with existing space constraints)	Data input by bidder (conforming/appropriate with existing space constraints)
6	Manufacturer	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
7	Model	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
8	Manufacturer's Order / Part Number	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
9	Conformity Standard(s)	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
10	Certification(s)	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
11	Minimum Ingress Protection Class (IEC 60529)	IP 65	IP 65	IP 65	IP 65
12	Impact Protection (IEC 62262 latest edition)	IK 10	IK 10	IK 10	IK 10
13	Operating Conditions Temperature (°C) / Relative Humidity (%)	-25 °C ÷ 60 °C / 90%	-25 °C ÷ 60 °C / 90%	-25 °C ÷ 60 °C / 90%	-25 °C ÷ 60 °C / 90%
14	Enclosure material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
15	Additional protection against rust (Paint system & colour)	Data input by bidder	Data input by bidder	Data input by bidder	Data input by bidder
16	Location of cable openings	Top and Bottom	Top and Bottom	Bottom	Bottom
17	Cable glands	Included	Included	Included	Included
18	Cable connections / termination system	Including all components mentioned below as applicable: - Frame / Plates for attaching/connecting components - Copper bars/plates with insulators included - Aluminium ring lug connectors - Terminal blocks for ring lug connectors - Screw terminal blocks	Including all components mentioned below as applicable: - Frame / Plates for attaching/connecting components - DIN Rails. - Screw terminal block distribution modules included (at full enclosure height to allow for spare connections)	Including all components mentioned below as applicable: - Frame / Plates for attaching/connecting components - Copper bars/plates with insulators included - Aluminium ring lug connectors - Terminal blocks for ring lug connectors - Screw terminal blocks	Including all components mentioned below as applicable: - Frame / Plates for attaching/connecting components - DIN Rails. - Screw terminal block distribution modules included (at full enclosure height to allow for spare connections)
19	Electrical Hazards Protection	Internal Plexiglas cover		Internal Plexiglas cover	
20	Cable ducts	Included	Included	Included	Included
21	Seismic withstand capability test	IEEE 693	IEEE 693	IEEE 693	IEEE 693
22	Vibration test	IEC 60068-2-57	IEC 60068-2-57	IEC 60068-2-57	IEC 60068-2-57
23	Door	One (1). Solid (no openings). Lockable.	One (1). Solid (no openings). Lockable.	One (1). Solid (no openings). Lockable.	One (1). Solid (no openings). Lockable.
24	Installation materials/equipment	Rubber anti-vibration mounts	Rubber anti-vibration mounts	Rubber anti-vibration mounts	Rubber anti-vibration mounts
25	Installation / Base frame & Parts	Included. With rust protection.	Included. With rust protection.	Included. With rust protection.	Included. With rust protection.
26	Documentation [To be submitted to ThPA]	OEM documentation for enclosure and all internal components	OEM documentation for enclosure and all internal components	OEM documentation for enclosure and all internal components	OEM documentation for enclosure and all internal components
27	Quantity Required [pc]	1	1	1	1