



UL LLC

Presents this

AECO CERTIFICATE

Certificate Number: **201903194788797094 (Revised 2019-03-19)**

Date: 2019-03-19

To

**AVANTI WIND SYSTEMS TECHNOLOGY S L
POL INDUSTRIAL CENTROVIA
C/ LOS ANGELES, 88 NAVE 1
50198 LA MUELA SPAIN**

For certification in accordance with the ASME A17.7-2007 / CSA B44.7-07 (Reaffirmed 2017)
of the following Elevator Subsystem:

Turbine Service Lift

(See addendum for details)

Effective from: March 19, 2019 Until March 19, 2022

Issued by: Kijung Lee
AECO Certification Services

Lenworth E. Grant

Reviewed by: Lenworth Grant
AECO Certification Services

Gregory DeLaFuente

Reviewed by: Gregory de la Fuente, PE
AECO Certification Services

Please look for the UL Classification Mark and Certificate Number on the product



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Products Covered:

Products:	Models:
Turbine Service Lift	Dolphin
Turbine Service Lift	SWP
Turbine Service Lift	Shark L



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Conditions of Acceptability (C of A's):

1.	The system must be installed in accordance with the manufacturer's instructions.
2.	The system is for use by only trained, authorized personnel, with the manufacturer's recommended personal protective equipment (PPE), as well as fall protection.
3.	The system shall be maintained in accordance with the manufacturer's Maintenance Control Program (MCP).
4.	The system shall be maintained in accordance with the manufacturer's Maintenance Control Program (MCP).
5.	Rise: up to 200 m (600 feet) Speed: up to 0.32 m/s (64 fpm) – Shark L Only Speed: up to 24 m/min (80 fpm) – Dolphin and SWP Only Capacity: up to 240 kg (533 lbs)
6.	Ambient Temperature (Normal Use): Between -15°C - +60°C (+5°F - +140°F) (Extended range) : Between -25°C - +40°C (-13°F - +104°F)
7.	Operation Time: use of the wind tower elevator is expected to average 12.5 hours of operation per year



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Manufacturers:

1.	Avanti Wind Systems SL Poligono Industrial Centrovia Calle Los Angeles n°88 Nave 1 50198 La Muela (Zaragoza) Spain
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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.1.1	3.1.2	3.1.5	3.1.6	3.1.7
Safety Parameters (SPs):	3.1.1.1, 3.1.1.2, 3.1.1.3, 3.1.1.4, 3.1.1.5, 3.1.1.8, 3.1.1.9, 3.1.1.10	3.1.2.1	3.1.5.1 (a), 3.1.5.1 (b), 3.1.5.1 (c)	3.1.6.1 (a), 3.1.6.1 (b), 3.1.6.1 (c), 3.1.6.2, 3.1.6.3 (a), 3.1.6.3 (b), 3.1.6.3 (c), 3.1.6.4 (a), 3.1.6.4 (b), 3.1.6.4 (c)	3.1.7.1 (a), 3.1.7.1 (b), 3.1.7.1 (c), 3.1.7.1 (d), 3.1.7.2 (a), 3.1.7.2 (b)

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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.1.8	3.1.9	3.1.10	3.1.11	3.1.12
Safety Parameters (SPs):	3.1.8.1, 3.1.8.2	3.1.9.1 (a), 3.1.9.1 (b)	3.1.10.1	3.1.11 (a), 3.1.11 (b), 3.1.11 (c)	3.1.12.1

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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.2.1	3.4.1	3.4.2	3.4.3	3.4.4
Safety Parameters (SPs):	3.2.1.1, 3.2.1.2, 3.2.1.3	3.4.1.1, 3.4.1.2, 3.4.1.3, 3.4.1.4	3.4.2.1, 3.4.2.2, 3.4.2.3,	3.4.3.1	3.4.4.1

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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.4.5	3.4.6	3.4.7	3.4.8	3.4.9
Safety Parameters (SPs):	3.4.5.1	3.4.6.1, 3.4.6.2, 3.4.6.3, 3.4.6.4, 3.4.6.5	3.4.7.1, 3.4.7.2	3.4.8.1, 3.4.8.2	3.4.9.1, 3.4.9.2, 3.4.9.3

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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.4.10	3.4.14	3.5.1	3.5.2	3.5.7
Safety Parameters (SPs):	3.4.10.1	3.4.14.1	3.5.1.1	3.5.2.2 (a)	3.5.7.1

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	Global Essential Safety Requirements Evaluated (GESRs):				
	3.5.9	3.5.10	3.5.11	3.5.12	--
Safety Parameters (SPs):	2.3.2.2, 3.5.9.2, 3.5.9.5	3.5.10.1	3.5.11.1	2.2.5.1, 3.5.12.2	--

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