



UL LLC

Presents this

AECO CERTIFICATE

Certificate Number: **201712154787904922**

Date: 2017-12-15

To

**AVANTI WIND SYSTEMS A/S
Rønnevangs Allé 6
3400 HILLEROED DENMARK**

For certification in accordance with the ASME A17.7-2007 / CSA B44.7-07 (Reaffirmed 2012)
of the following Elevator Subsystem:

Turbine Service Lift

(See addendum for details)

Effective from: December 15, 2017 Until December 15, 2020

Muhammad Asad

Issued by: Muhammad Asad
AECO Certification Services

Lenworth E. Grant

Reviewed by: Lenworth E. Grant
AECO Certification Services

Gregory DeLaFuente

Reviewed by: Gregory DeLaFuente, PE
AECO Certification Services

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



UL LLC

AECO CERTIFICATE - ADDENDUM

Certificate Number: **201712154787904922**

Products Covered:

Products:	Models:
Turbine Service Lift	SWPL 02

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



UL LLC

AECO CERTIFICATE - ADDENDUM

Certificate Number: **201712154787904922**

Conditions of Acceptability (C of A's):

1.	The system has been evaluated to ASME A17.7/CSA B44.7, "Performance-Based Safety Code for Elevators and Escalators", Dated March, 2007.
2.	UPON THE NEXT ISSUE OF THIS AECO CERTIFICATE, A VERIFICATION OF WIRE ROPE MINIMUM BREAKING STRENGTH SHALL BE CONDUCTED.
3.	The system must be installed in accordance with the manufacturer's instructions.
4.	The system is for use by only trained, authorized personnel, with the manufacturer's recommended personal protective equipment (PPE), as well as fall protection.
5.	The system shall be maintained in accordance with the manufacturer's maintenance control program. See the Wind Turbine Lift Operating Instruction Manual for details.
6.	Rise: up to 140 m (450 feet)
7.	Speed: up to 24 m/min (80 fpm)
8.	Capacity: up to 240 kg (533 lbs)
9.	Ambient Temperature - (Normal Use): between -25°C - +60°C (-13°F - +140°F) (Extended range): between -30°C - +40°C (-22°F - +104°F)
10.	Operation Time: use of the wind tower elevator is expected to average 12.5 hours of operation per year



UL LLC

AECO CERTIFICATE - ADDENDUM

Certificate Number: **201712154787904922**

Manufacturers:

1.	Avanti Wind Systems Inc. 11311 West Forest Home Ave. Franklin, WI 53132 USA
2.	Avanti Wind Systems SL Poligono Industrial Centrovia Calle Los Angeles n°88 Nave 1 50198 La Muela (Zaragoza) Spain



UL LLC

AECO CERTIFICATE - ADDENDUM

Certificate Number: **201712154787904922**

	Global Essential Safety Requirements Evaluated (GESRs):				
	3.1.5	3.1.6	3.1.7	3.1.11	3.2.1
Safety Parameters (SPs):	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)	3.1.11 (a), 3.1.11 (b), 3.1.11 (c)	3.2.1.1, 3.2.1.2, 3.2.1.3

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



UL LLC

AECO CERTIFICATE - ADDENDUM

Certificate Number: **201712154787904922**

	Global Essential Safety Requirements Evaluated (GESRs):				
	3.4.2	3.4.7	3.4.8	3.5.6	3.5.12
Safety Parameters (SPs):	3.4.2.1, 3.4.2.2, 3.4.2.3,	3.4.7.1, 3.4.7.2	3.4.8.1, 3.4.8.2	3.5.6.1 3.5.6.2 3.5.6.3	3.5.12.1, 3.5.12.2

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