



BRONTO SKYLIFT  
**AERIAL WORK PLATFORMS**  
FOR TURBINE INSPECTION AND MAINTENANCE

Bronto Skylift - Above All

Above **all**



**BRONTO SKYLIFT®**



**Bronto Skylift, the Market Leader**

- by Experience:** over 6400 aerial appliances in operation all over the world
- by Variety:** over 30 different models with working heights from 36 to 112 meter
- by Technology:** the best weight-height ratio based on advanced plasma welding methods
- by Operational Versatility:** high degree of customization, over 200 optional features available

For over 40 years, operators have trusted Bronto Skylift to provide a safer way to access overhead areas. To date, Bronto has built over 6400 aerial devices, including the world's tallest insulated and non-insulated truck-mounted models. Today, Bronto Skylift work platforms are used in utility, petrochemical, construction and industrial markets worldwide. Each Bronto Skylift product is built for operator convenience, dependable performance, increased safety and reduced maintenance.

Each Bronto Skylift consists of boom sections built to accuracies of 0,1 mm providing increased stability and smoother boom extension and retraction. Bronto Skylifts have a primary and back-up safety device for outreach limitation, boom rotation, platform leveling and all other critical operating functions. They have been designed and built to meet the requirements of a wide variety of commercial-type chassis, enabling easier repair and maintenance with standard parts.



**Wind turbine inspection and maintenance with Bronto aerials**

Wind turbines require regular inspections and maintenance to produce the maximum amount of energy from the wind. The turbines require lubrication and the blades monitoring of wear: fractions, bonding/coating /lamination defects, dirt etc. All the maintenance and inspection are performed at an extreme height which makes the safety and security of wind power service professionals important. Traditionally this work has been done by climbing or by repelling down from the hub. Some companies use cranes with a basket suspended from it. Compared to these methods, Bronto Skylift truck mounted aerial platforms provide a faster and safer access to wind turbines. As a mobile vehicle, the Bronto Skylift unit can be driven to the tower and fully stabilized with a single button automatic levelling in less than a minute.

**Work more safely and productively**  
 With the aerial work platform it is safer and easier to access the blades of the wind turbine. Other methods to gain access to the rotor-blades - like rappelling - are more time consuming, require more than one person and can be regarded as hazardous, especially under windy conditions. The Bronto Skylift unit is also superior for washing, because you can integrate a tank and pump on the decking of the truck and have high-pressure water supply in the cage. The Bronto also offers stand-alone electricity (by the means of a hydraulic generator), hydraulic power, lighting, etc. in the work platform. All this makes working faster, easier and ultimately more efficient.



**BRONTO SKYLIFT  
 AERIAL WORK PLATFORMS  
 FOR TURBINE INSPECTION AND MAINTENANCE**

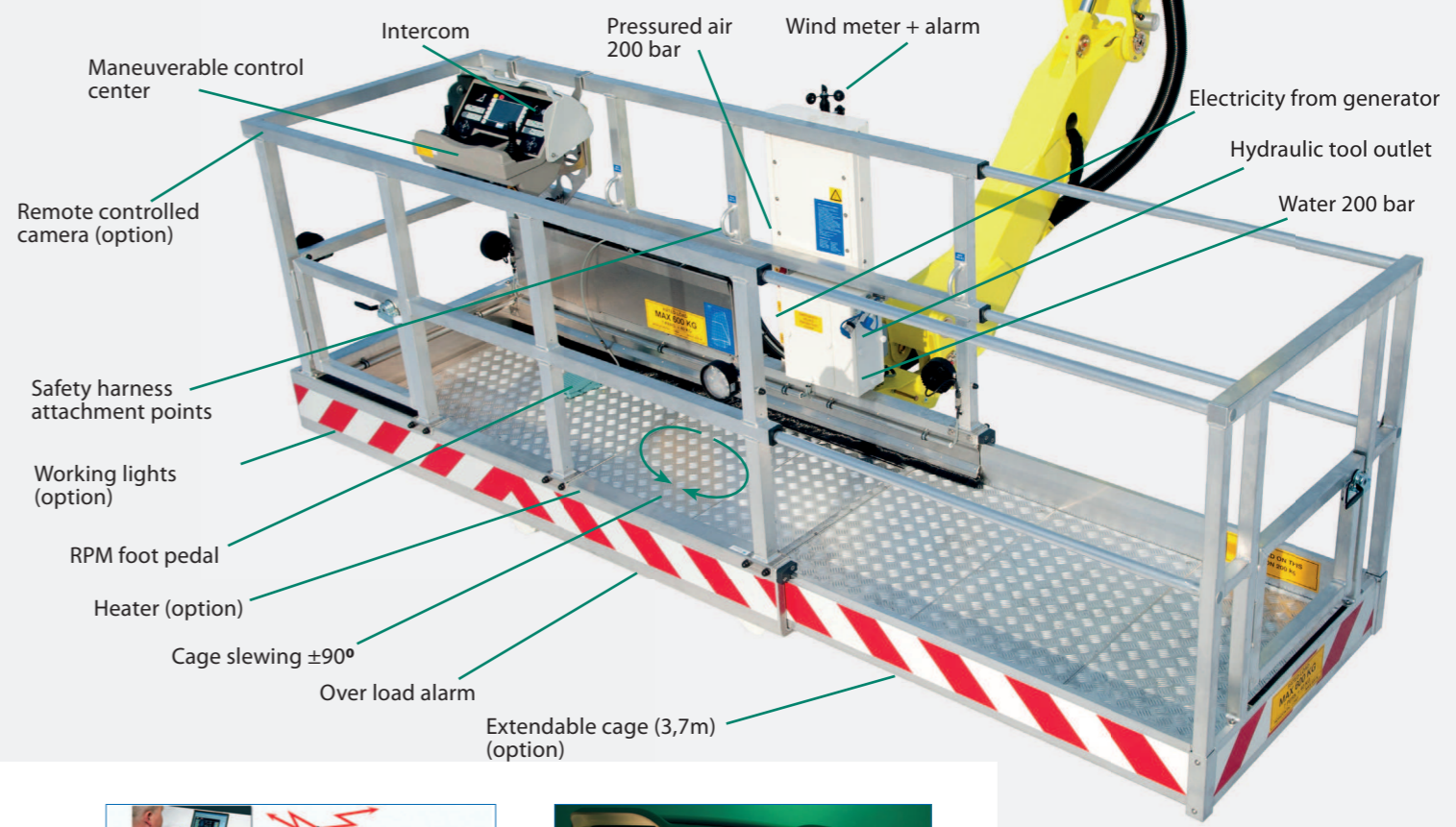
WORKING HEIGHTS FROM 36 TO 112 METER

The superior solution for wind turbine maintenance

**Advantages and features**



**Working cage (600kg)**



With the Bronto aerial work platform cleaning the blades can be done safely and effectively.



Because of their advanced controls and single button automatic levelling of the outriggers, from the time the Bronto aeriels are driven onto the site they can be positioned, set-up and elevated to the overhead area in 15 to 20 minutes or less. Compared to some other methods this can save considerable time and money in transportation and set-up costs alone.



The aerial work platform can be telescoped next to blades, carrying the required personnel and equipment. The booms and platform movements are controlled with platform's control station – there is another control station at the main frame of the vehicle.



Bronto TeleControl system enables information transfer between the diagnostic system of the aerial and Bronto SkyLift Customer Service. Fault analysis and telemaintenance can be performed on-line.



All Bronto units have Bronto+ electronic control system including geometry based outreach control system which gives exactly identical outreach under all circumstances, regardless of wind, temperature, dynamic forces, friction etc.



WORKING HEIGHTS FROM 36 TO 112 METER

**BRONTO SKYLIFT**  
**AERIAL WORK PLATFORMS**  
 FOR TURBINE INSPECTION AND MAINTENANCE

The superior solution for wind turbine maintenance



## HLA Range

Bronto Skylift's HLA (High Level Articulated) range represents the ultimate in high rise access. At the moment the range covers working heights from 81 to 112 meters, the 112-meter unit being the world's highest truck mounted hydraulic work platform. But it's not only how high you can go with an aerial but also how safely you do it. The boom construction is made of rigid, high

strength steel and all design solutions have been refined and improved during the period of more than 20 years in production. When elevated, they can withstand winds speeds up to 12m/s and they can lift up to 700 kg of men and materials in a 3,7 m wide fully-enclosed platform. There are over 100 HLA units in operation all over the world.

## XDT Range

Bronto Skylift's XDT units are fully telescopic work platforms covering the working heights from 36 to 78 meters. XDT stands for eXtra Duty Telescopic and represents the best height/weight ratio in the aerial work platform business. The design is extremely compact and versatile.

All Bronto Skylift HLA and XDT units have the same easy-to-use electronic control system, Bronto+ which offers fully variable outrigger placement and variable cage load with automatically optimized outreach. The Bronto+ shows if you can reach the target with the current outrigger configuration. The system's ramping function provides smooth starts and stops for all boom movements. All these features make the windmill work more convenient and safe. Wind speed is constantly measured and a wind stronger than 12 m/s will trigger an alarm.



Bronto Skylift's S 112 HLA is the world's highest truck mounted work platform.



XDT unit gets the work done.



All HLA units are available on all major commercial chassis and crane carriers alike.



Bronto Skylift's S 90 HLA machines have been used in Europe for many years and have been time-tested in the toughest conditions.



All Bronto units are compact and roadworthy.



Cage slewing 90 degrees. Hydraulically extendable cage available as an option.



Telescopic cage boom enables more overall reach.



Optional material handling equipment available for the cage.


# BRONTO SKYLIFT AERIAL WORK PLATFORMS FOR TURBINE INSPECTION AND MAINTENANCE

WORKING HEIGHTS FROM 36 TO 112 METER


## The superior solution for wind turbine maintenance



## Technical data HLA

	Max. working height	Max. working outreach, approx.	Max. safe working load	Transportation height, approx.	Transportation length, approx.	Transportation width, approx.	GVW
S 81 HLA	81 m	32 m	700 kg	3,95 m	15,5 m	2,55 m	45000 kg
S 90 HLA	90 m	32 m	700 kg	3,95 m	15,5 m	2,55 m	48000 kg
S 104 HLA	104 m	32 m	700 kg	3,95 m	16,7 m	2,55 m	62000 kg
S 112 HLA	112 m	33 m	700 kg	4,0 m	19 m	2,7 m	75000 kg

## Technical data XDT

	Max. working height	Max. working outreach, approx.	Max. safe working load	Transportation height, approx.	Transportation length, approx.	Transportation width, approx.	GVW
S 38 XDT	38 m	27 m	700 kg	3,7 m	10 m	2,5 m	18000 kg
S 46 XDT	46 m	25 m	700 kg	3,7 m	10 m	2,5 m	18000 kg
S 53 XDT	53 m	35 m	700 kg	3,8 m	12 m	2,5 m	26000 kg
S 61 XDT	61 m	37 m	700 kg	3,9 m	12 m	2,5 m	32000 kg
S 70 XDT	70 m	36 m	700 kg	4,0 m	12 m	2,5 m	33000 kg
S 78 XDT	78 m	37 m	700 kg	4,0 m	13 m	2,5 m	41000 kg



**BRONTO SKYLIFT OY AB**  
 Teerivuorenkatu 28  
 FI-33300 TAMPERE  
 Finland  
 Tel +358 20 7927 111  
 Fax +358 20 7927 300  
 www.bronto.fi

**BRONTO SKYLIFT AB**  
 Okvistavägen 38  
 SE-18640 VALLENTUNA  
 Sweden  
 Tel +46 8 5816 6040  
 Fax +46 8 5816 6035  
 www.bronto.se

**BRONTO SKYLIFT AG**  
 Ifangstrasse 111  
 CH-8153 RÜMLANG  
 Switzerland  
 Tel +41 44 818 8040  
 Fax +41 44 818 8050  
 www.bronto.ch

Alterations reserved.

A subsidiary of Federal Signal Corporation