



ATLANTECH LUX
THE REVOLUTION
IN THE FOUNDATIONS
FOR LIGHTING POLES

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SOCIAL IMPACT ANALYSIS

ATLANTECH LUX VS CONCRETE PLINTH

	Atlantech Lux	Concrete Plinth
Environmental impact: CO₂ emissions	Lower CO ₂ emissions due to the concrete elimination, to the use of non invasive installation motor means and to the final complete recycling	Greater CO ₂ emissions due to the concrete production, the use of invasive installation motor means and to the final disposal
Disposal of the foundation at the end of life	Removal by simply unscrewing. 100% recyclable galvanized steel. Recovery at cost of the scrap iron	Removal by excavator and crane. Disposal costs
Installation timing and building sites	In one working day it is possible to install 20/30 foundations immediately usable for the pole installations. Necessary moving building site	In one working day it is possible to install 5/7 foundations. Waiting times in case of on site plinth construction. Necessary fixed building site
Verticality of the pole over time	Lasting of verticality over time thanks to a light foundation	The weight causes displacements over time with consequent pole inclination
Safety of the grounding system	Double internal grounding system. The foundation acts like a grounding rod	The grounding rod is necessary. A damage of the external copper cord can cause electrocution
Final aesthetic impact	High aesthetic quality thanks to a non invasive foundation and to a design of urban furniture	Low aesthetic quality due to the view of the concrete plinth and the inspection box

ATLANTECH LUX

for lighting poles buried type with integrated inspection box

STANDARD MODELS

- **SHORT:** box h. 500mm diam. 219mm, screw h.800mm diam. 60mm, for poles max. base diam. of 95mm and planting depth 500mm
- **SMALL:** box h. 500mm diam. 323mm, screw h.800mm diam. 60mm, for poles max. base diam. of 148mm and planting depth 500mm
- **SMALL PLUS:** box h. 800mm diam. 323mm, screw h.1000mm diam. 76mm, for poles max. base diam. of 148mm and planting depth 800mm
- **MEDIUM:** box h. 800mm diam. 406mm, screw h.1000mm diam. 76mm, for poles max. base diam. of 188mm and planting depth 800mm
- **HEAVY:** box h. 800mm diam. 508mm, screw h.1000mm diam. 76mm, for poles max. base diam. of 240mm and planting depth 800mm

ATLANTECH LUX ONE-BOX

for lighting poles buried type without integrated inspection box

STANDARD MODELS

- **SHORT 1500:** box h. 500mm diam. 219mm, screw h. 1000mm diam. 60mm, for poles max. base diam. of 102mm and planting depth 500mm
- **SHORT 2000:** box h. 800mm diam. 219mm, screw h. 1200mm diam. 76mm, for poles max. base diam. of 188mm and planting depth 800mm
- **SMALL 2300:** box h. 800mm diam. 323mm, screw h. 1500mm diam. 76mm, for poles max. base diam. of 240mm and planting depth 800mm

ATLANTECH LUX PLATE

for lighting poles with base plate with wiring connection space

STANDARD MODELS

- **170-200:** box h. 500mm diam. 219mm, screw h. 1000mm diam. 60mm, plate with 4 holes diam. 20mm spacing 170-200mm, for poles max. base diam. of 102mm
- **200-220:** box h. 800mm diam. 219mm, screw h. 1200mm diam. 76mm, plate with 4 holes diam. 22mm spacing 200-220mm, for poles max. base diam. of 188mm
- **270-300:** box h. 800mm diam. 323mm, screw h. 1500mm diam. 76mm, plate with 4 holes diam. 24mm spacing 270-300mm, for poles max. base diam. of 240mm



MATERIALS AND CERTIFICATIONS

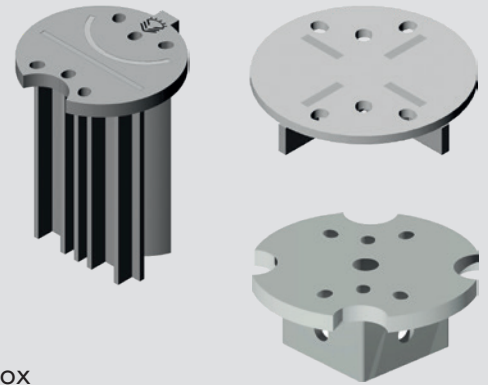
- Materials used: S235JR and S355JR steel subjected to a hot galvanizing process
- DoP, Declaration of Performance in compliance with the Construction Product Regulation (UE) N. 305/2011
- Calculation reports performed in the worst conditions (soils with minimum load-bearing capacity, maximum stress at the base supported by the pole, box uncovered) in compliance with the UNI EN 40-3-1:2013

INSTALLATION EQUIPMENT

- Excavator (starting from 1500 kg for the smaller Atlantech foundations)
- Hydraulic auger, to be mounted on the excavator, with minimum torque of 2/2,5 KNw
- Auger bits of the same diameter of the Atlantech box and a wide auger bit of diameter 100mm for the execution of the hole for the screw under the Atlantech box in case of hard soils.
Various types of bits are available on the market, depending on the soil, for vegetal, mixed soils and for cements and rocks

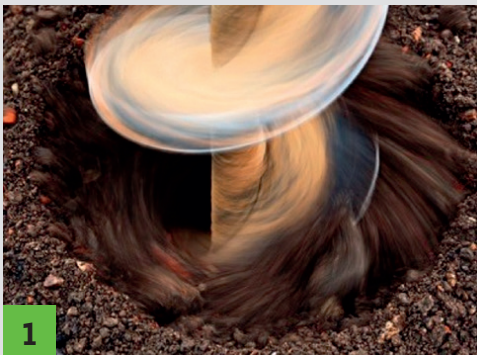


- Installer, to be hooked to the auger, supplied with the Atlantech foundations

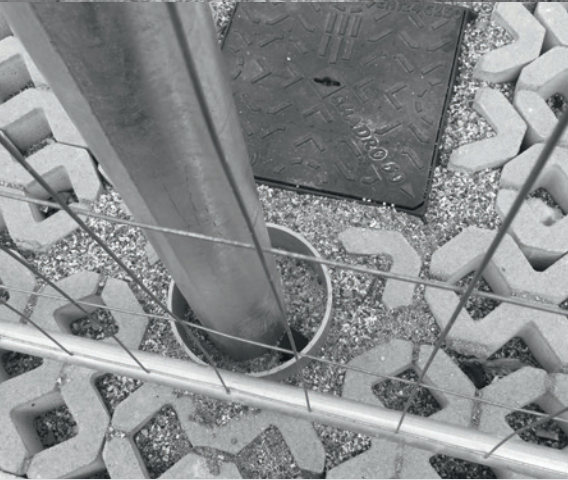


INSTALLATION PHASES ATLANTECH LUX MODEL

1. Execution of the hole of the same diameter and height of the Atlantech box
2. Checking the dimensions of the hole (absolutely no space must remain under the box)
3. Installation of the Atlantech foundation on the hole
4. Mounting the iron manhole cover
5. Lighting pole installation and electrical connections (the corrugated trace can be done both before and after the installation of the Atlantech foundation)



THE PAST - THE USE OF CONCRETE



THE FUTURE - THE ATLANTECH LUX TECHNOLOGY



**RESEARCH, INNOVATION AND CORPORATE SOCIAL
RESPONSABILITY ARE AT THE BASE OF THE
DEVELOPMENT OF OUR PRODUCTS**



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