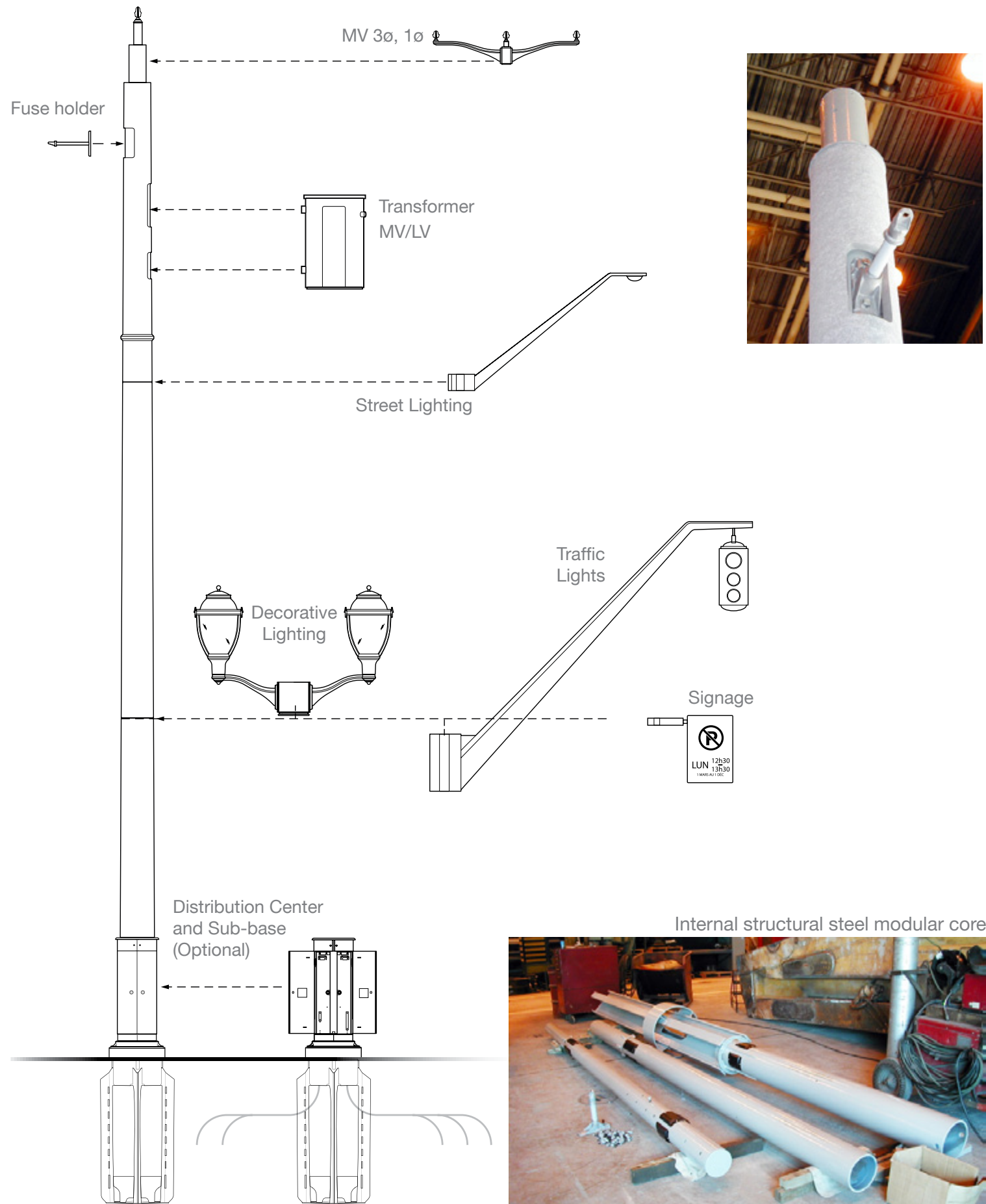


INFRA
Series



MCM Poles™
MCM-iV System™
MCM-iV Base™
MCM-EV Base™



MCM Poles™

High Performance Modular Poles

Network Pole (36 ft)

Modular Pole for Hybrid Networks

- Completely modular pole with choice of aesthetic finish;
- Allows for the construction of economical hybrid networks;
- Does not require any guy wire for change of direction of power line;
- Tubular structural steel core and fibre cement modular envelope;
- Class 1 or 3 overhead lines distribution pole, 1 or 3-phase MV networks;
- Ease of installation of equipment between modules or at the top;
- May hold simultaneously the network, MV/LV transformer and light fixture;
- LV cables hidden in core and LV Distribution Center option at the base;
- Direct implantation or on a concrete base or on a MCM Sub-base;
- Complies with all the applicable Codes and Standards.

Also: Freestanding Poles (up to 100 ft) for Antennas/Cameras



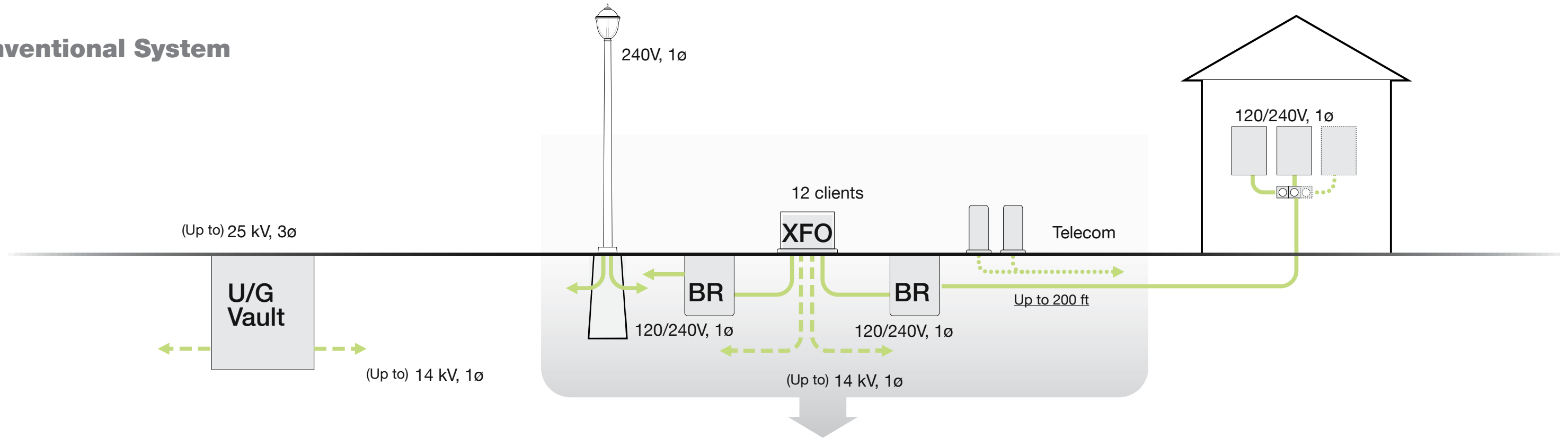
Note: In your area, some of the parties involved in the burial of networks may not be familiar with the MCM products. Our technical team will be happy to inform the interested parties on the technical characteristics of our products and ensure they are compliant with the Standards of the local authorities.

New MCM-iV™ System

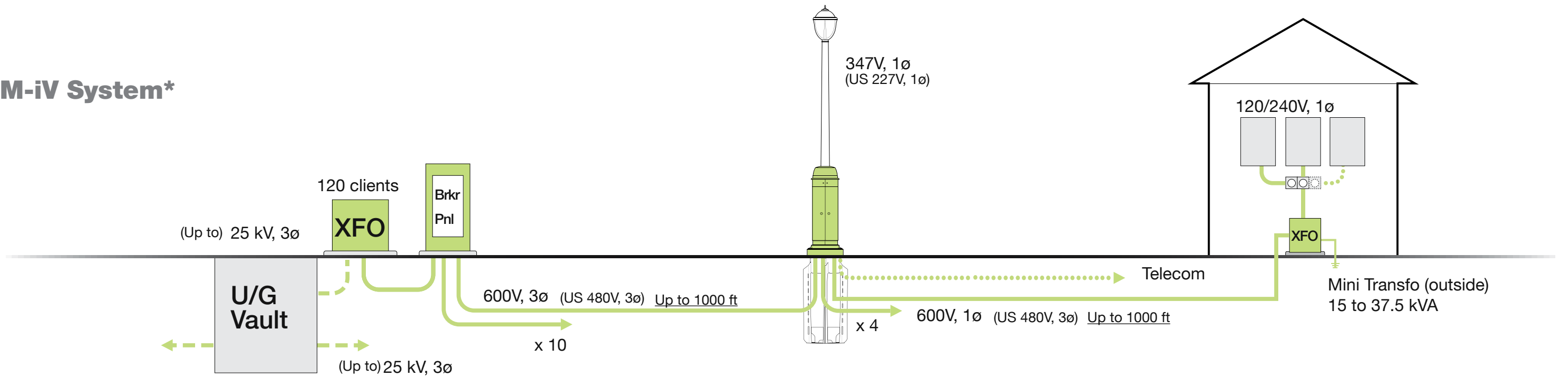
Intermediate Voltage Distribution System

“Non-invasive” Undergrounding Approach

Conventional System



MCM-iV System*

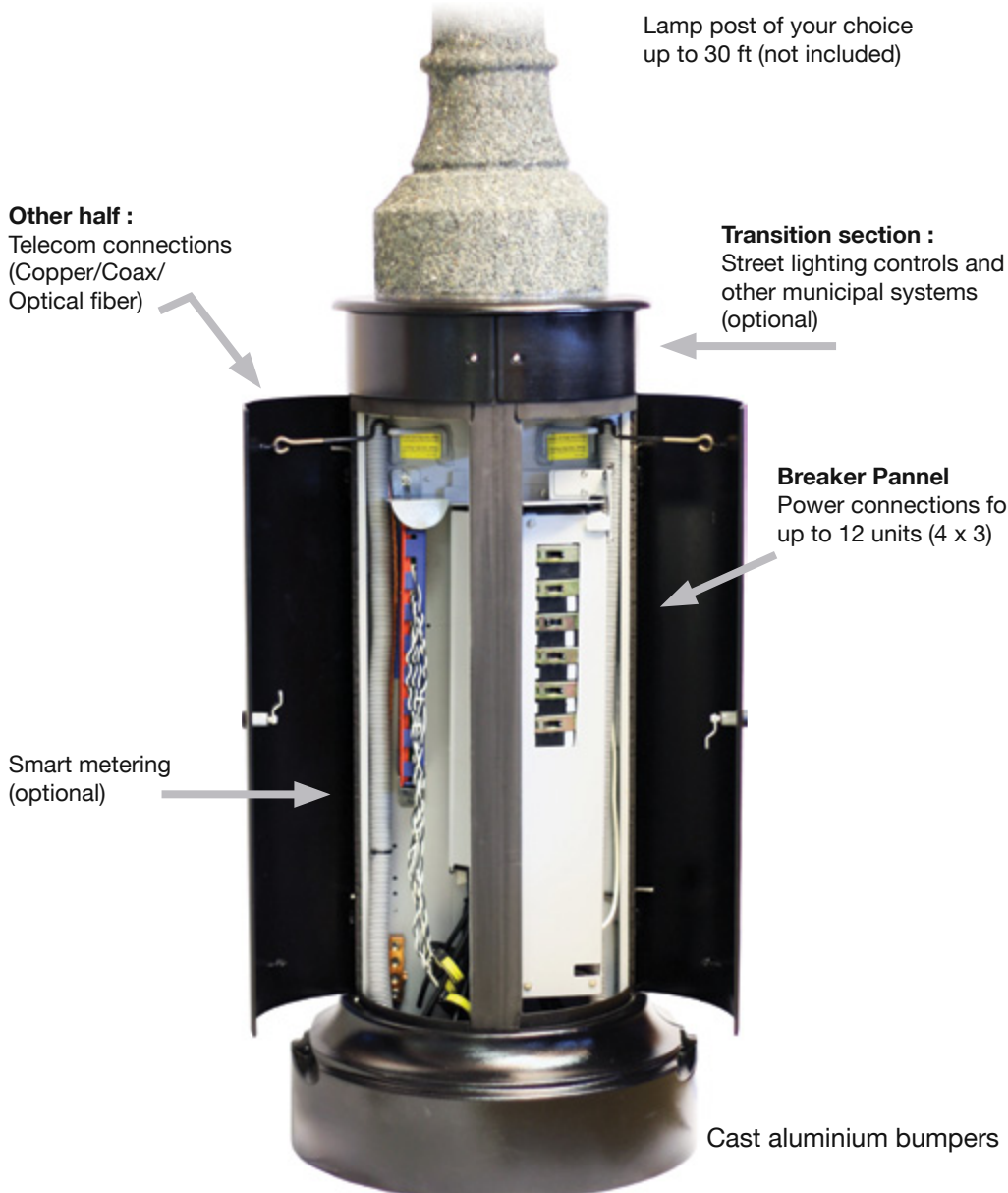
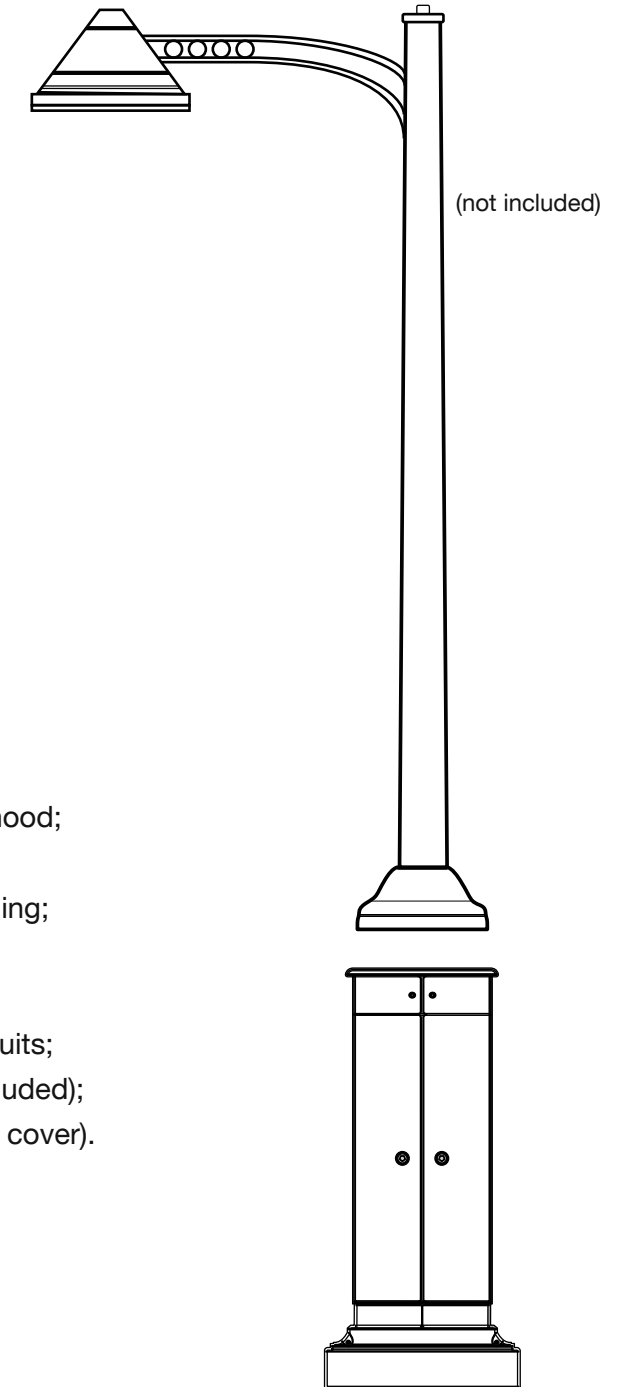


*Must be installed in accordance with all applicable regulations and approved by the local utilities.



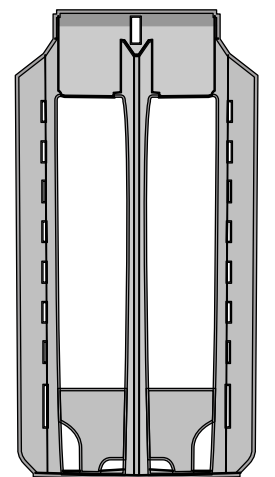
MCM-iV Base™

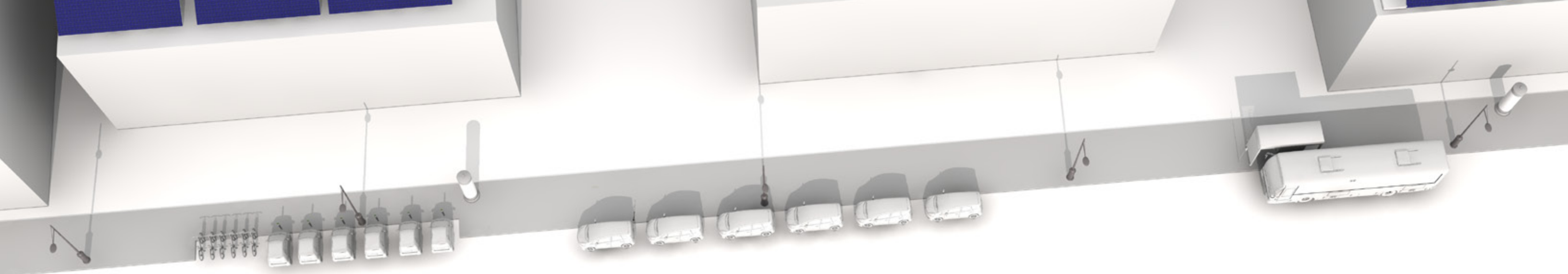
Intermediate Voltage Networks by MCM
Models : i2S2 Series



- System based on the local use of 3-phase normalized voltages;
- Energy and telecom connections for 6 to 12 homes or units;
- Allows for the elimination of multiple pedestals and handholes;
- Also permits to eliminate front lawn pad-mount transformers;
- Further improves the visual appearance of homes and neighborhood;
- A non-invasive technique for burying existing overhead lines;
- More economical than the conventional method for undergrounding;
- Structural steel cabinet subdivided and accessible on 360°;
- Ideally suited for high speed optical fibre telecom networks;
- With an optimized Sub-base to facilitate installation of U/G conduits;
- Compatible with all types of lamp posts, up to 30 ft high (not included);
- And with all of the basic features of the MCM Cabinets (see back cover).

Conventional Method





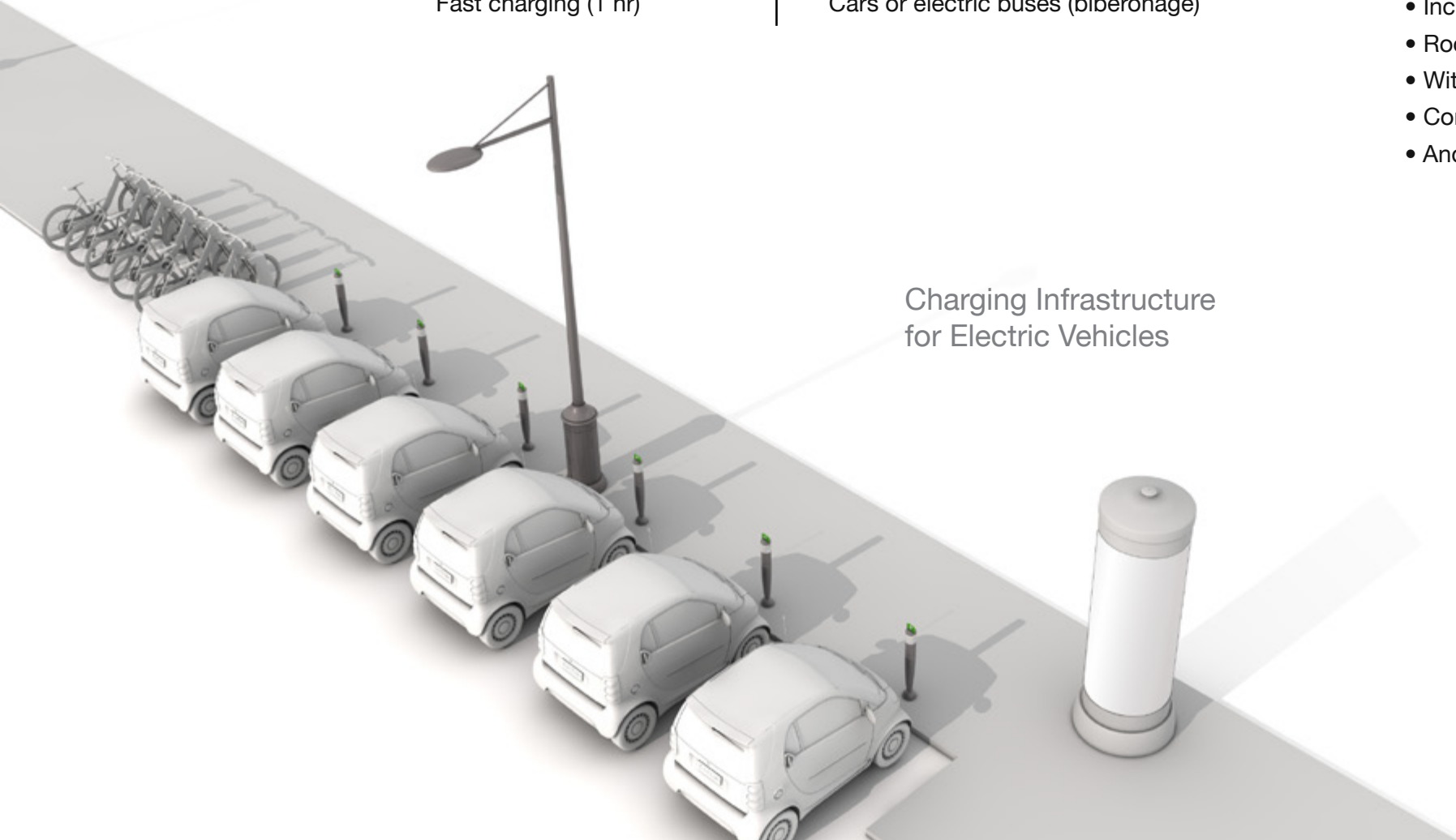
MCM-EV Base™

Charging Infrastructure for Electric Vehicles
Models : V2S2 Series

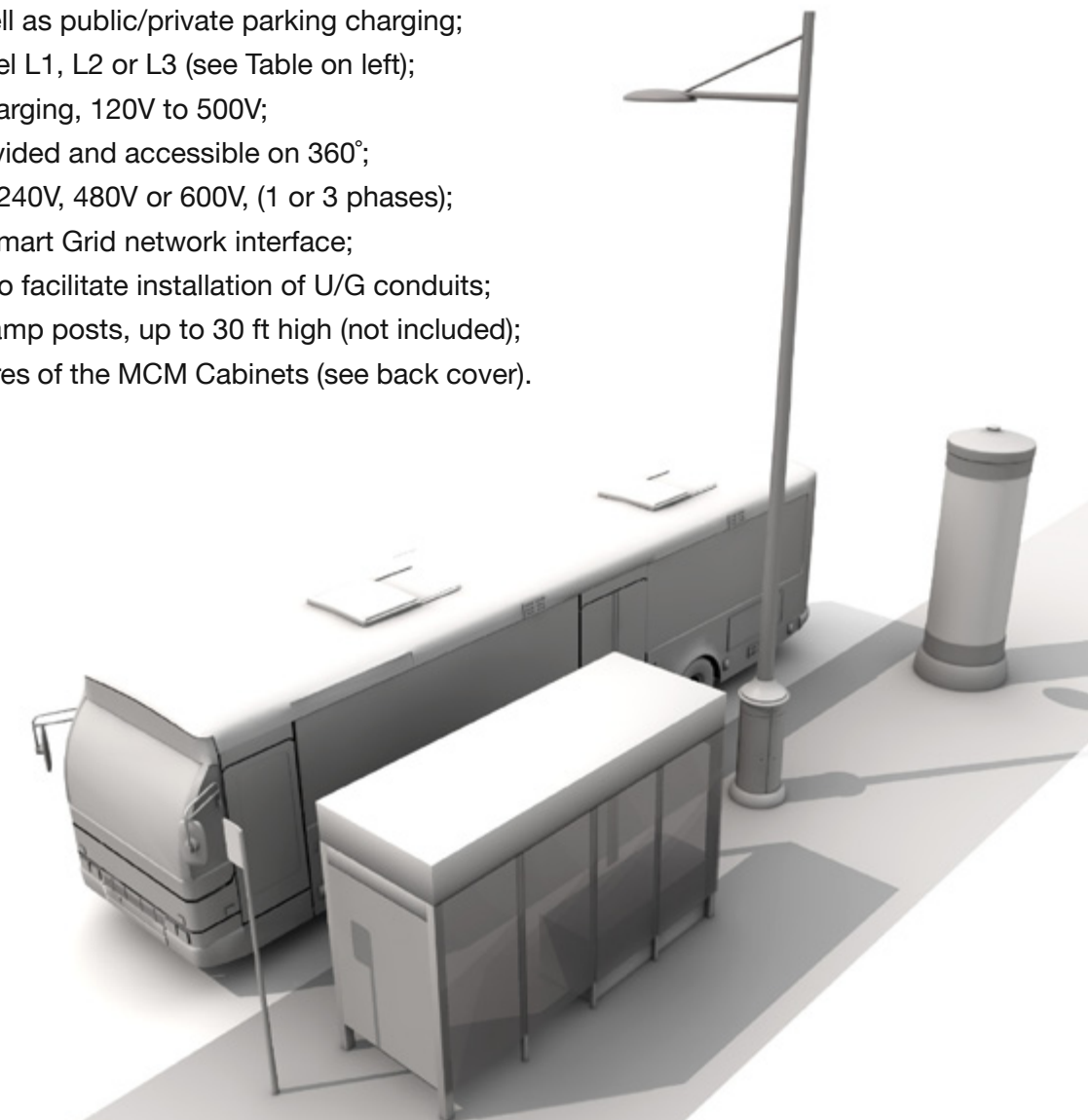
Types of charging infrastructures for EV's

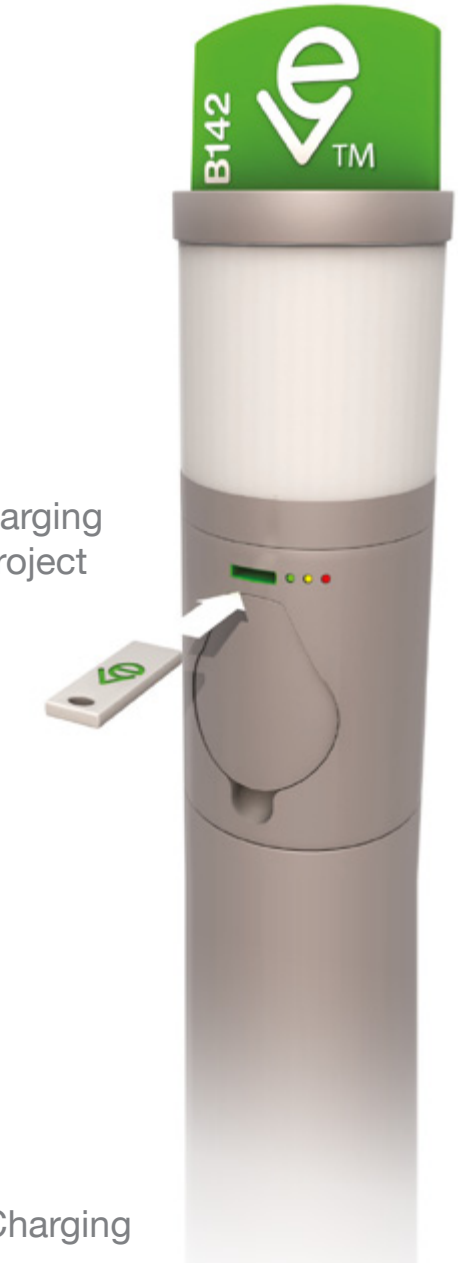
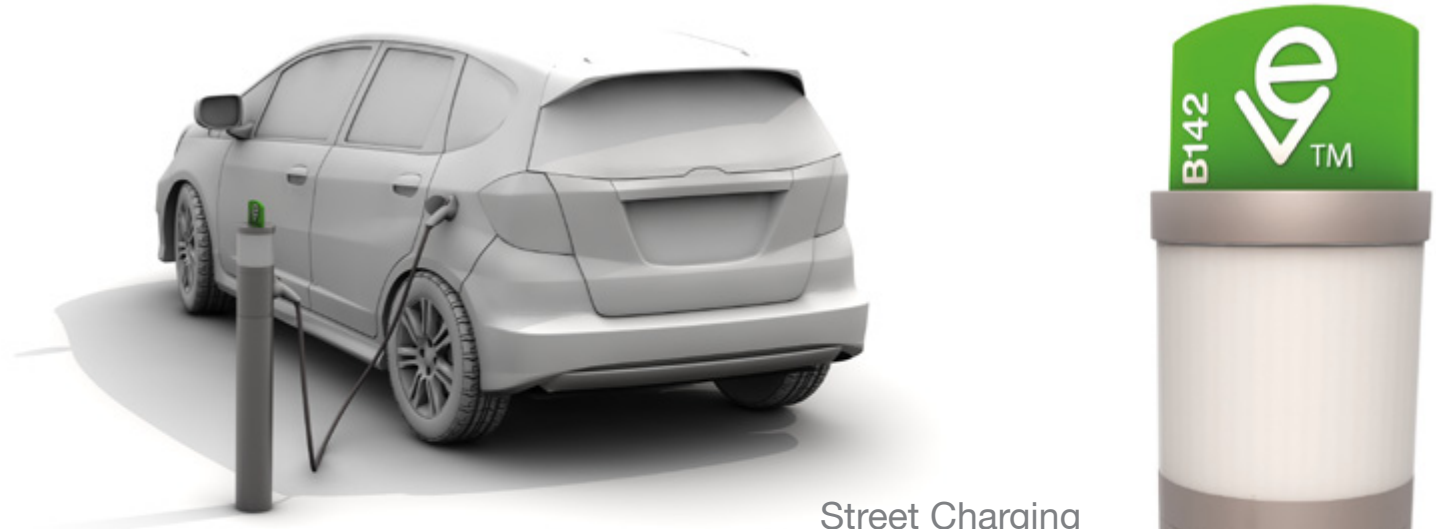
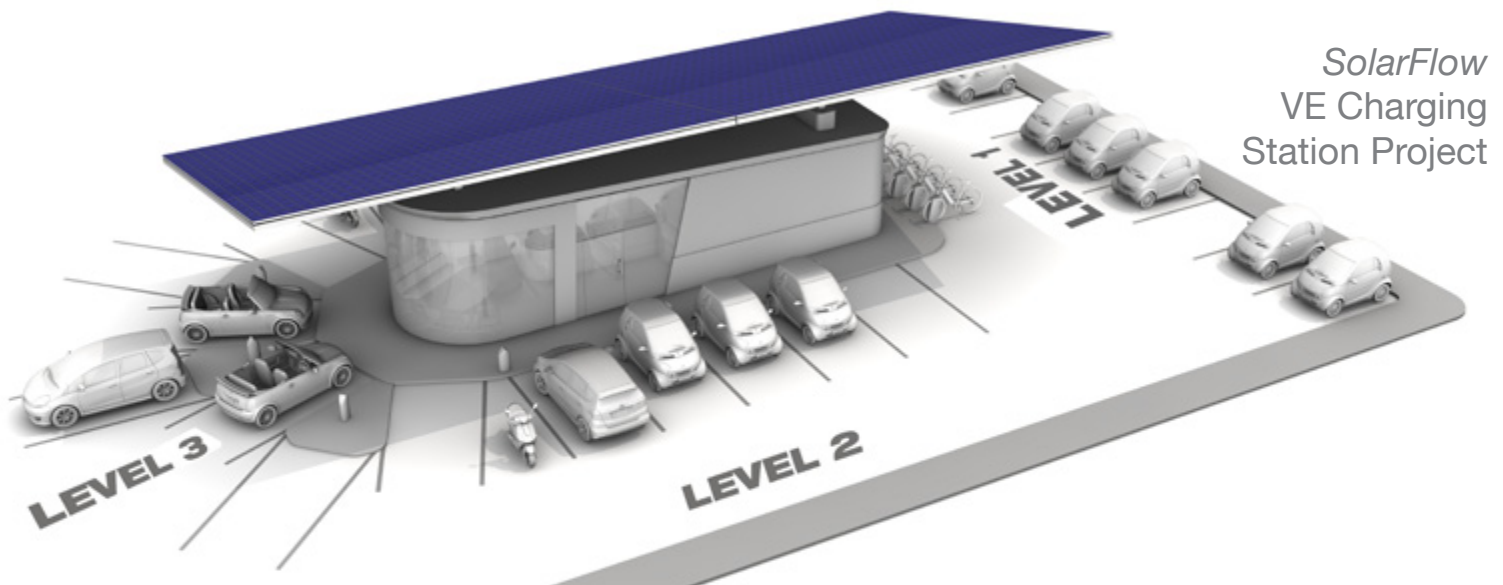
AC-L1 : 120V, to 16 A, 1.92kW Charging at home or office (9 hrs)	DC-L1 : 200 - 450V, to 80 A, 1.92kW Public charging (1 hr)
AC-L2 : 240V, to 33 A, 8kW Charging at home or office (2 hrs +)	DC-L2 : 200 - 450V, to 200 A, 60kW Fast public charging (20 min.)
AC-L3 : to 500V, 1 -3 ph., to 80 A, 19.2kW Fast charging (1 hr)	DC-L3 : TBD (200 - 600V, to 240kW) Cars or electric buses (biberonage)

- Power/telecom connections for charging of Electric Vehicles;
- For street side charging as well as public/private parking charging;
- Can feed several chargers level L1, L2 or L3 (see Table on left);
- Compatible with AC or DC charging, 120V to 500V;
- Structural steel cabinet subdivided and accessible on 360°;
- Includes a breaker panel 120/240V, 480V or 600V, (1 or 3 phases);
- Room for smart meters and Smart Grid network interface;
- With an optimized Sub-base to facilitate installation of U/G conduits;
- Compatible with all types of lamp posts, up to 30 ft high (not included);
- And with all of the basic features of the MCM Cabinets (see back cover).

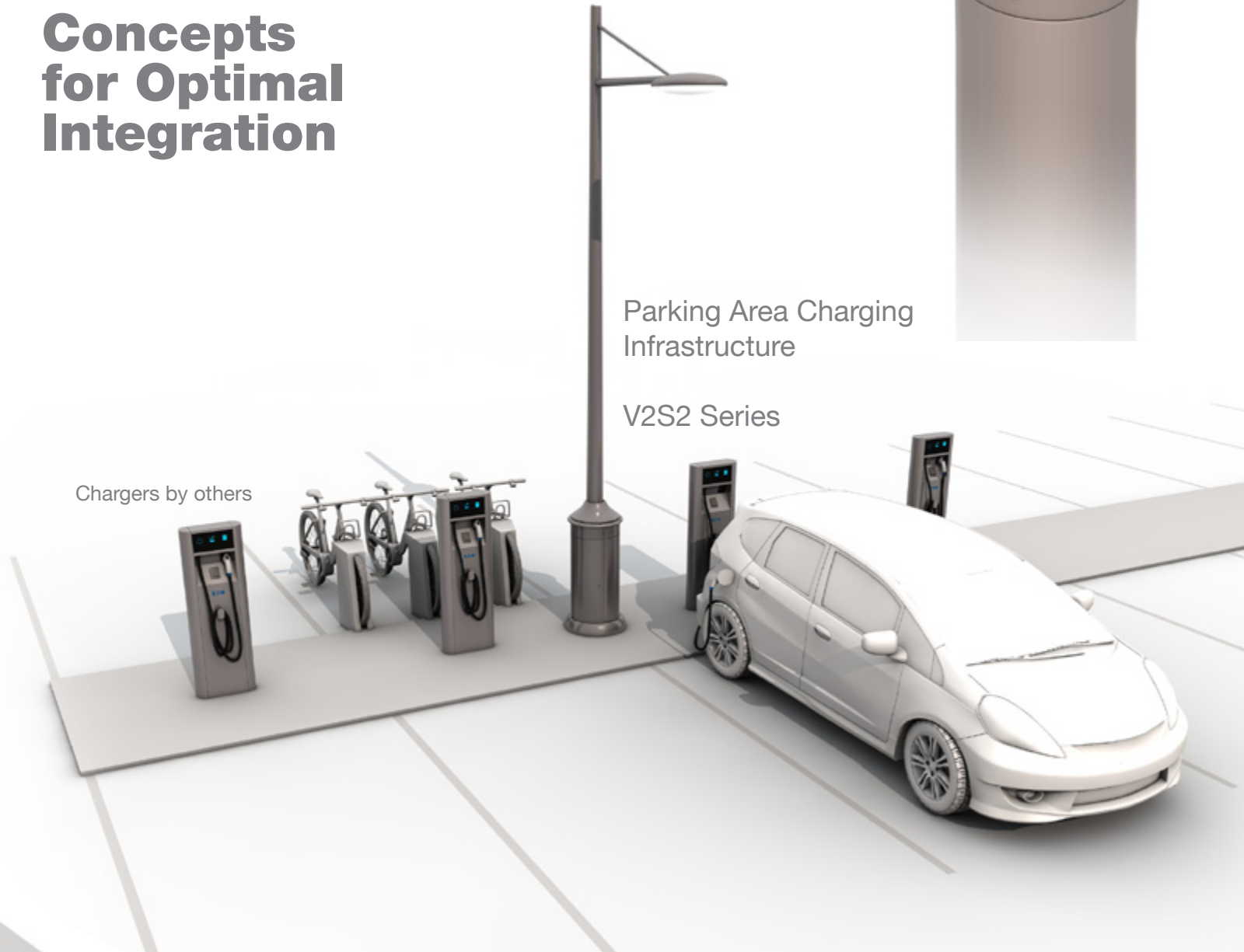


Charging Infrastructure
for Electric Vehicles





Concepts for Optimal Integration



Basic Features of the MCM Cabinets:

- Compatible with conventional telecom networks or optical fibre;
- May be installed on a concrete base or better on a MCM Sub-base;
- High resistance textured finish, matching the selected lamp post;
- Sections reserved for lighting controls or municipal management systems;
- Quick and easy installation, with MCM technical support at all times;
- No maintenance with a 25-year limited warranty on cabinet and sub-base;
- In conformity with all applicable Codes and Standards.

MCM Structures was created in 1999 by Paul W Fournier, P.Eng., senior electrical distribution systems designer. The mission of MCM Structures is to develop and commercialize quality products for energy and telecommunication networks in urban areas. Almost 1500 installations have been made in Quebec during the last five years. MCM International is a parent company created for the US market, currently under development.



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