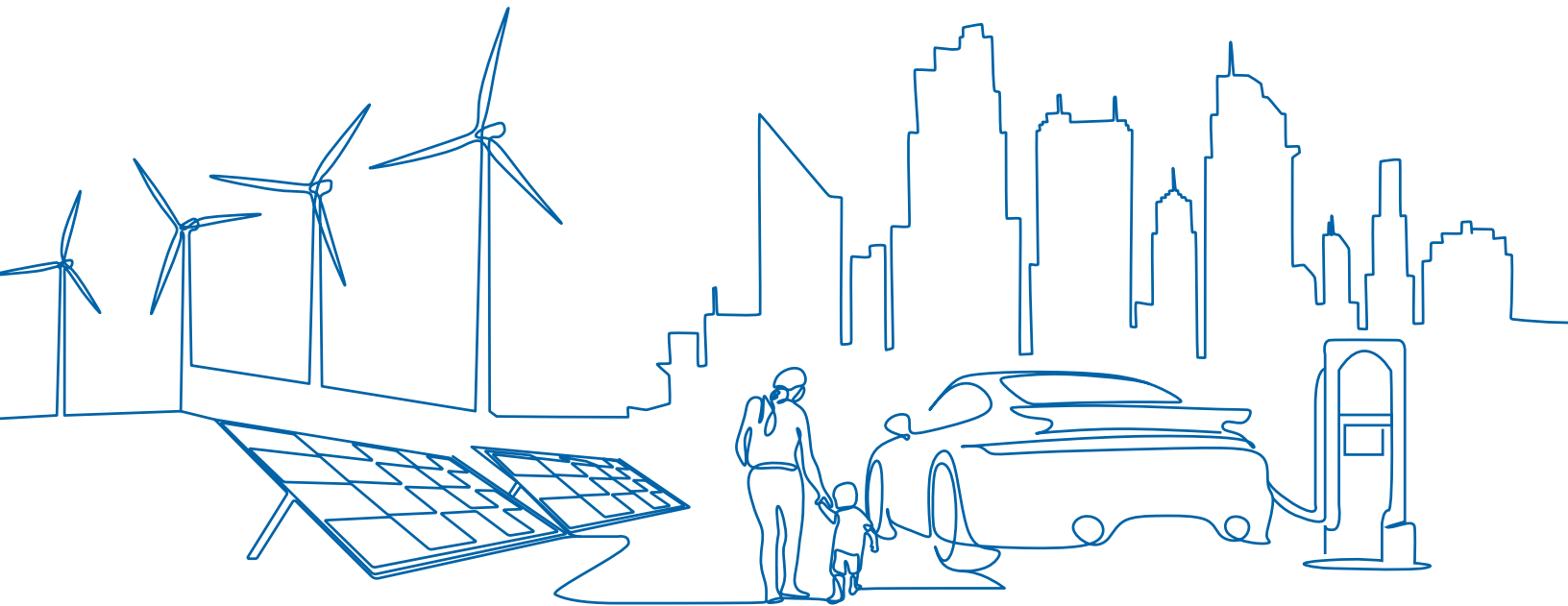


ACCELERATE EV Infrastructure



with Amphenol Charles Industries



Future forward with *Fast-Tracked* EV adoption

With climate change becoming an increasing area of concern, the US federal government has turned its focus to improving air quality, with a goal of achieving net zero greenhouse gas (GHG) emissions by 2050. Automobiles account for nearly one-fifth of these emissions, so a key driver to reducing emissions is a transition to greater use of electric vehicles (EV). Deploying EVs to government employees will go a long way towards achieving this goal.

Even without this added commitment to EVs, EV sales to individual consumers in the United States have climbed by more than 40% each year on average since 2016.

One of the top concerns among US consumers regarding EVs is the nation's limited network of battery charging stations and charging issues. To keep EVs powered up requires setting up public charging stations that need to be economical, equitably distributed, appealing to use, and wired to a robust power grid.

Amphenol Charles offers a competitive edge to companies that want to help this emerging market and provide reliable solutions that can be deployed rapidly and efficiently. Also, with the nation experiencing significant labor challenges, Amphenol Charles' products and solutions enable more deployments with limited resources.

50+

years of experience in manufacturing innovative enclosed solutions

20M+

enclosures deployed for various markets

24/7

Technical Customer Service available

1000+

products to choose from and can be customized to fit your needs

The Global EV Infrastructure

The Electric Vehicle Charging Infrastructure Market Size is expected to reach at USD 182.9 Billion by 2030, registering a CAGR of 30.2%, owing to rising adoption of Electric Vehicles. China and Germany are at the forefront of the transition to electric mobility. China was the leading country for the technological development of electric vehicles, whereas Germany scored the highest in current customer demand. The US and Canada combined have around 55,000 level 2 and DC fast-charging public stations. This number is far from future anticipated needs.

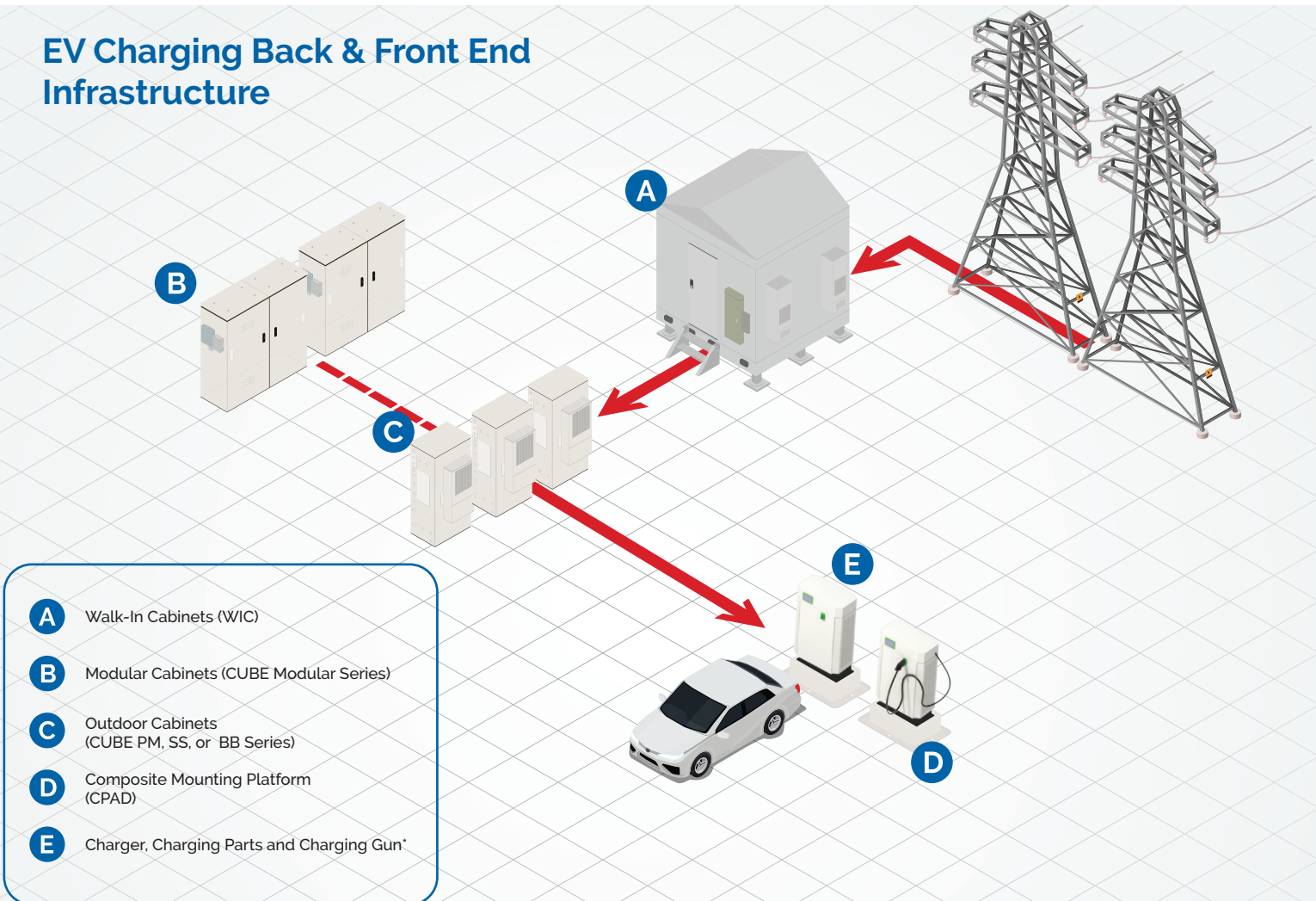
Ultimately growth in EV sales will warrant a network of publicly accessible fast chargers to:

- Enable longer trips in an EV
- Encourage buyers who lack access to private charging to consider an EV
- Tackle range anxiety as a barrier to EV adoption

Simplified EV Infrastructure solution from Amphenol Charles Industries

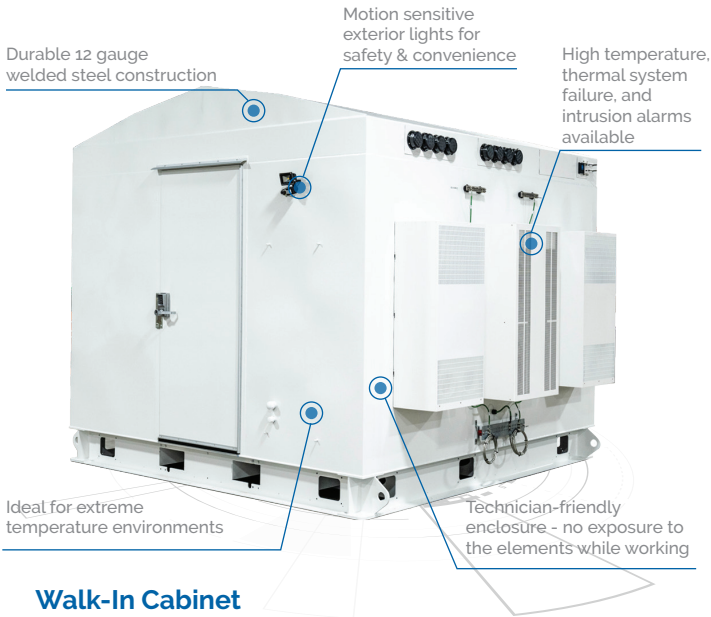
With the EV adoption gaining momentum, the government faces never-ending challenges ranging from supply chain issues, massive electricity demand, investment in costly hardware, planning, and installation costs, estimated to be more than \$35 billion throughout 2030. Amphenol Charles Industries' communication and network, energy storage, enclosures and rapid installation solutions can significantly reduce time and cost. Let's explore how:

EV Charging Back & Front End Infrastructure



The Amphenol Charles Solutions

Energy Storage & Communications Solution



Walk-In Cabinet WIC

The Walk-in Cabinet (WIC) is designed for remote base stations as an energy efficient, cost-saving alternative to concrete shelters and huts. The WIC offers ample space for customer installed equipment. It includes the exclusive Charles Thermal Management System (CTMS) and the Intelligent Ventilation System (IVS), which carefully regulate the interior temperature to ensure optimal performance.

Energy Storage & Communications Solution



Modular Cabinets CUBE Modular Series

Our series of Modular Cabinets (MC) offer the most versatile solution for outdoor deployments. The cabinet consists of multiple standard bays that can be mixed and matched into any configuration needed for an application. Specify the number and types of bays needed, as well as the power system, thermal unit and many other options.

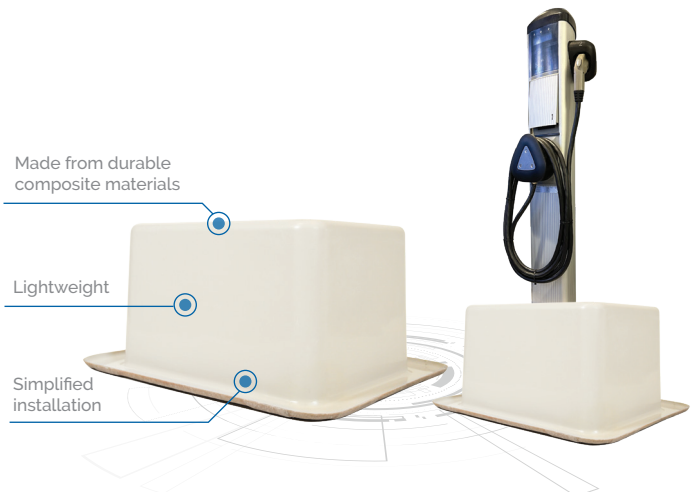
Communications Solution



Pad Mount Equipment Cabinets CUBE PM Series

The CUBE-PM series enclosures are designed for high density installations of network equipment in outdoor environments. Easily mounted on a concrete or composite pad.

Rapid Installation Solution



Composite Mounting Platform CPAD

Charles Composite Pads (CPAD) are economical alternatives to poured-in-place or precast concrete pads. They reduce time and labor at the time of installation. CPADs can be deployed in a single day, vs. waiting for a new concrete pad to be poured and cured.

About Amphenol Charles Industries

Founded in 1968, Charles Industries, LLC is a manufacturing and technology company based in Schaumburg, Illinois with North American manufacturing centers. We offer a comprehensive line of active and passive, metallic and non-metallic environmental enclosure solutions for communications and power distribution applications.

Supplying telecommunications, wireless, broadband cable, utility, and industrial markets worldwide, we're proud of our Midwest manufacturing roots that strengthen our position in an ever-changing marketplace.

In April 2019, Charles was acquired by Amphenol Corporation, a world leader in the antenna, optics and interconnect solutions with over 74,000 employees worldwide. Today, Charles operates as an Amphenol Company and is leveraging Amphenol's global resources and innovative technologies to create new, bundled solutions for our customers.

We offer the following:

- Cabinet & Enclosures
- Concealment & Pole Solutions
- Pedestals & Housings
- Fiber Optic Solutions
- Below Grade Enclosures



Protecting the connections that bring people together

Visit www.charlesindustries.com to see our full line of products

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Contact an Amphenol Charles expert today to learn about our EV charging Solution.

Charles Industries, LLC

An Amphenol Company
1450 American Lane, 20th Floor
Schaumburg, IL 60173-5492 USA

P: (847) 806-6300 | Fax: (847) 806-6231
E: mktsterv@charlesindustries.com



www.charlesindustries.com

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