THE CHALLENGE

Approximately half of an EV infrastructure deployment cost is associated with the temporal aspects of the deployment: power entry equipment, cables, skids, extensive civil work, and long cable runs & connectors. To meet ambitious EV deployment goals, charge point operators need to speed deployment while simultaneously reducing costs.

THE SOLUTION

At Shoals we’re bringing our significant expertise in reducing cost and speeding EBOS deployment for solar into the EV charging market. Our EV BOS Solutions will enable charge point operators to deploy systems in a day, with lower cost and higher quality.

EV BOS SOLUTION

1. Reduce on site labor costs by greater than 40%.
2. Decrease material & cable cost by 20-30%.
3. Reduce civil costs by 30% minimum, with potential up to 100%.
4. Minimize site disruption time. Goal is 1-3 days for full deployment.
5. Portability. The entire solution can be easily disconnected and moved to a higher utilization site with minimal stranded investment.
6. Charger Flexibility - We do not make chargers; we can work with any charger manufacturer.
7. All cabling and connectorization is done at our Shoals factory in Portland, TN, using high quality production methods.
8. The solution can be custom built to power levels exceeding 1MW.
## eMobility Solutions

### 01. FUEL POWER CENTER
1. Prefabricated plug-n-play transformer and distribution panels.
2. All components installed in the factory.
3. Modular interlocking system.
4. Reduce site disruption and overall time on site.
5. Tightly packaged to maximize space.
6. Attractive aesthetics with tight lines and appealing colors.

### 02. RACEWAYS
1. Above-ground cable raceway that eliminates the need for trenching.
2. Two types of raceways available: walk-over and drive-over.
3. Compatible with both conventional cabling and EV-BLA.
4. Clip and mount system secured to ground, wall, or ceiling.
5. Reduces cost of deployment and time on site by up to 40%.

### 03. EV-BLA
1. Provides trunk and tap methodology to deployments which brings significant economies of scale. Eliminates individual homeruns from each dispenser & wire runs by up to 75%.
2. Capable of above-ground installation.
3. Utilizes P’n’P connectors for rapid deployment.
4. Estimated total deployed cost reduction of 30-40%.

### 04. QUICK CONNECT BASES
1. Prefabricated skidded dispenser with up to four Level 2 charge points.
2. Flexible choice of charger/hardware OEM.
3. Designed to install at the intersection of four parking spots.
4. Reduces placement (fewer pads), cabling and interconnection costs.
5. Ideal solution for fleets, retail, office, and MUD.

---

## THE SHOALS VISION

Shoals Technologies Group is a leading provider of electrical balance of system or “EBOS” solutions for large-scale solar, energy storage, and EV charging deployments. Our patented EBOS solutions install faster, are safer and more reliable, and lead to lower overall costs.

At Shoals, we’re #InventingSimple every day.