

EV-Everywhere Remote Charging Pod

Status: Filled

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Sponsor(s): Tap&Go EV Charging

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Project Description – CONFIDENTIAL to SFU employees and Students

Events such as Abbotsford Airshow use large areas of parking in fields. As EVs become common, it is essential that they may be charged in such locations. The chargers are planned to be level 2, (11 kW) although that could be reduced to level 1 mounted on posts.

The whole pod needs to be 40ft Container sized, with ease of setup. Pre charged batteries are expected to be included.

Solar panels should form a canopy over the parking spaces and need to fold out easily and be directional.

Challenges involve the number of spaces that can be accommodated, scaling of the batteries versus the solar panels, choice of solar PV elements, manipulation and set up of folding solar PV arrays.