

## **CLEAN STREETS DESIGN CHALLENGE:**

### **ELECTRIC FEEDER PILLAR BRIEF 2020**

#### **THE PROJECT**

This project looks to appoint a designer or design team to create a design solution for the ‘feeder pillars’ at electric vehicle charging points.

Dundee is leading the way in electric vehicle infrastructure. While many elements of the infrastructure are carefully designed with consideration to both aesthetic and function, this project looks to address the practical ‘feeder pillar’ which sends electricity to the charging points. It is by nature a necessity but currently these are bulky, metal boxes much like the green telephone exchange points scattered across our urban landscape.

The Clean Streets project is a ground-breaking multi partner project, trialling innovative pop up EV chargers in Dundee and Plymouth, with funding from Innovate UK. Led by Urban Foresight (<https://urbanforesight.org/>), the Clean Streets project will trial the pop up EV chargers across cities, demonstrating how on street EV charging can be convenient while still preserving the unique nature of our urban streetscapes.

As a UNESCO City of Design, Dundee has launched this open call to select a designer or team of designers to think through this problem and develop a solution for a housing within which the feeder pillar would be located.

The aim is to turn the box into something that better integrates into a variety of street scenes and can improve the aesthetics or functionality of a space for the people that use it and live there.

There are the following constraints:

- There must be access to the doors
- It needs to be removable
- Something that can be replicated across different locations, so is flexible in its design and/or function across communities in Dundee
- The feeder pillars are usually at the back of pavements, so this needs to be considered, it may be that the pillar can be viewed from multiple angles and that a 360 degree approach will be required
- Feeder pillars already take up a proportion of pavement space. Accessibility for people using the pavements is essential
- There is one feeder pillar for three charging points and it is the case that these will appear in multiples at the location.

The purpose of this competition is to demonstrate the possibilities and to inspire cities and communities to embrace alternatives to the ‘box pillars’. It is intended that the manufactured designs are treated as prototypes, which will be installed for a short period.

There is particular interest in modular, adaptable solutions which are flexible in the way they can be applied to different on-street contexts. It is a unique opportunity to draw together the exciting innovative nature of Drive Dundee (<https://www.drivedundeeelectric.co.uk/>) with UNESCO City of Design. We are keen that the project is viewed as an opportunity to contribute in a positive way, to the lives of communities in Dundee.

## HOW TO ENTER

Interested designers are required to provide the following:

- CV and Portfolio of previous work and experience. This can be provided as a PDF, or link to an online portfolio
- Statement of interest. This can be provided in any format, for example, Digital - video (max 5 minutes) text (max 750 words), visual (max 5 pages) or a combination of all three which must not exceed 5 pages in total. The panel would like to know why you are interested in working on this project, what excites you about it and what you think your practice or approach will bring to the solution.

Please consider your response to these in your statement. If you would like to discuss the format of your submission please email [annie.marrs@leisureandculturedundee.com](mailto:annie.marrs@leisureandculturedundee.com). Entries must be received by Friday September the 4<sup>th</sup> at 4pm by email to [annie.marrs@leisureandculturedundee.com](mailto:annie.marrs@leisureandculturedundee.com).

## ELIGIBILITY

- Entrants can be professional designers and/or recent graduates.
- There is no need to have previous experience in a particular design field but you will be expected to demonstrate your ability to work from concept to production.
- Your working base must be located within the City of Dundee or immediate surrounds.

## THE SITE

The site is located to the west of V&A Dundee situated between V&A Dundee and the new Waterfront Park Development.

Plans for the Waterfront Park Development can be viewed here <https://www.dundeewaterfront.com/zones/central>. The unique urban context of this location should be a significant consideration for the designers.

## TIMETABLE 2020

Deadline for Submissions of interest – Friday September 4<sup>th</sup> at 4pm

Selected designers notified – Friday 18<sup>th</sup> September

Stage 1 concept design submitted – Thursday 29<sup>th</sup> October

Stage 2 development of concept to manufacturing – Friday 13<sup>th</sup> November

Manufacture – by 30<sup>th</sup> November

Stage 3 installation - TBC

## FEE

The budget available for this project is £6,500

It is expected that this will breakdown as:

- £1,500 for development of concept (stage 1) (3.5 days work)
- £2,000 for development of concept to manufacturing ready (stage 2) (5 days work)
- £3,000 for manufacture and installation of two units (stage 3)

Payments will be made instalments. At each stage the design will require approval by the Stakeholder Group. The commissioner reserves the right to not take the design into the manufacturing stage.

Designers or design teams can propose an alternative breakdown for the budget spend. This would be agreed with the commissioner.

## **SELECTION PROCESS**

The Selection Panel for this competition will comprise of representatives of:

- Annie Marrs, UNESCO City of Design, Dundee
- Representative from V&A, Dundee
- Clare Pennington, Urban Foresight, Dundee
- Emma West, Dundee City Council
- Keith Johnston, Urban Electric
- Mark Flynn, Dundee City Councillor

Assessment will be made against

- Commitment to quality design solutions
- Ability to deliver a design through to the manufacture of the prototype
- Statement of Interest

## **HOW THE PROJECT WILL BE RUN**

- UNESCO City of Design Dundee will act as the commissioner.
- UNESCO City of Design Dundee will support the designers in the delivery of the project.
- UNESCO City of Design Dundee will manage the relationship between the designer and the stakeholders.
- Before the design enters the manufacturing, it will be approved by the stakeholder group. If the design is not approved it will not go through to the next stage.
- Responsibility for working with the manufacturer is with the designer or design team.

## **INSURANCE AND LIABILITY**

The temporary fixture will be part of the wider Clean Streets installation programme, and as such responsibility will lie with Dundee City Council.

## **COPYRIGHT / OWNERSHIP**

Copyright/ownership of the design remains with the designer. The Commissioner or other parties in the Stakeholder group do not have the right to reproduce the design or units for any other area other than that indicated in this project.

## **SUPPORTING DOCUMENTS & FURTHER INFORMATION**

<https://www.drivedundeeelectric.co.uk/>

<https://www.urbanelectric.london/>

<https://www.adeptgrp.co.uk/grp-enclosures/electrical-enclosures/>

<https://www.enclosurepro.co.uk/grp-kiosks/>