

## **Bikeoff Secure Bike Parking Stands**

*Catalysing Anti Theft Bike, Bike Parking and Information Design for the 21st Century*

*(funded by the AHRC/EPSRC Design for the 21st Century Initiative)*

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This research portfolio project, is being delivered in collaboration with the Jill Dando Institute of Crime Science (JDI) at University College London (UCL), aims to catalyse a design revolution in secure cycling provision for the 21st century. The research seeks to use creative solutions to overcome the adverse effects of bicycle theft on the achievement of sustainable transport objectives within European cities and to assist in the promotion of cycling and the benefits it offers society in terms of impact on health and improvements in the quality of the urban environment. The project seeks to reduce bicycle theft by applying and integrating the design against crime approach to the design of bicycles, bicycle locks and bicycle parking via the generation of new benchmarks in terms of design standards, design methodologies, design resources, user evaluation and design education that will generate commercial product design application.

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### **Bikeoff Secure Bike Parking Stands**

The Bikeoff team made 8,500 visual observations of cycle parking facility, located outside Central Saint Martins College of Art and Design, before creating 6 secure cycle stands that:

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- Encourage cyclists to lock both wheels and the frame of their bikes to the stand
  - Discourage cyclists from locking the top tube of their bike to the stand (an insecure locking practice)
  - Support the bicycle from falling and the front wheel from tipping to the side
  - Increase the security of 1-lock users
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The project was funded by the AHRC/EPSRC Design for the 21st Century Initiative and Transport for London; and conducted in partnership with Camden Borough Council and the Metropolitan Police with advice from the Camden Cycling Campaign. Manufacturing development is with industry partner Broxap Limited.

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