How Bikeoff Research led to new design?
The Bikeoff team understood the greatest deterrent to cycling in Britain, after fears about road safety, is cycle theft. They made 8,500 visual observations of cycle parking before creating six secure cycle stands. The new stands (See Figs 1&2) were designed to encourage cyclists lock their bikes more securely thus reducing the risk of theft.

The graph on the right shows a comparison between locking practice used on the CaMden anti theft bike stand and those used on standard Sheffield (n) stands (See Fig 3), evaluated by the Jill Dando Institute of Crime Science. The CaMden stands developed with Broxap Limited were found to improve locking practice.

What is its design aspect?
The CaMden bike stands promote more secure locking behaviour because they make it easier for cyclists to keep their bicycles upright and lock both wheels and the frame to the stand. The M stand is designed for short-stay parking. Its shape helps prevent cyclists from locking insecurely.

Conclusion
Bikeoff encourages cyclists to ‘lock both wheels and the frame to the stand” through the design of new cycle stands and also stickers that can be retrofitted to Sheffield (n) stands to promote best advice. Also, Bikeoff’s free on-line design resource helps designers, architects and police to get smart quick about bike theft and how best to design against it.

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For more information please see the following websites: www.bikeoff.org/design_resource www.designagainstcrime.com