

The bicycle as an integral part within ITS

Arcadis provided project management services for Bicycle and ITS (F-ITS) for the Province of Gelderland in The Netherlands as part of the national program “Optimizing Use.”

The purpose of this project was to emphasize focus on the development of the bicycle as an integral part within Intelligent Traffic Systems (ITS.) The emphasis was on increasing the cycling comfort, improving information for cyclists and traffic flow in cities. The latter was to be achieved by improving existing facilities and organizing them in a smarter way. Objectives of the project included connecting the cyclists through the traffic lights and optimizing the signal timing based on the detection of cars and bicycles. Also, possibly informing cyclists on-bike with an application about the expected time to green/remaining green time, by giving an advice about speed.

Arcadis led the project team, consisting of representatives of the twelve regions of Optimizing Use in coming up with one overall strategy and opportunity approach.