



Swarco Traffic Ltd

Swarco and its companies particularly Futurit had been providing product to major UK traffic companies for a number of years.

In late 2009 Swarco entered the UK market by establishing Swarco UK, it was formed with a small group of employees all well known to the UK traffic industry.

As a part of a planned strategy in July 2011 Dambach UK took a new name 'Swarco Traffic Ltd' in the UK and absorbed the Swarco UK business and employees.

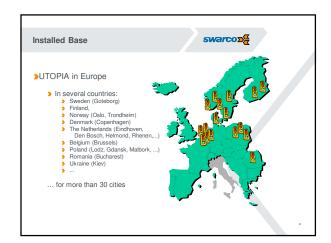
Swarco Traffic Ltd not only offers the UK the traditional Dambach and Futurit VMS and Signage products and Systems, but the whole Swarco wide Product Portfolio.

History of 'UTOPIA' and 'SPOT'

> UTOPIA (Urban Traffic Optimisation by Integrated Automation)/SPOT (System for Priority and Optimisation of Traffic) is a hierarchical-decentralised traffic signal control strategy. It is used in many cities in Italy as well as Netherlands, USA, Norway, Finland and Denmark.

> UTOPIA/SPOT minimises the total time lost by private vehicles during their trips, subject to the constraint that public vehicles to be prioritised shall not be stopped at signalised intersections.

> The optimisation is at two levels: At the local level, the controller determines the signal settings by optimising a cost function adapted to the current traffic situation. At the network level, optimisation is based on the cost function taking account of the state of neighbouring intersections. The bus priority is provided by shifting the 'green window' to match the estimated arrival time of a bus at the stop line.



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'SPOT' and 'UTOPIA' Applications and Architecture

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'Traditionally in the UK SCOOT and MOVA have been the chosen control strategies in the traffic engineers toolbox, especially when something more than simple fixed time or vehicle actuation is required.

In Europe the situation has been very different with a number of different control strategies being available from the different suppliers, many of them having the benefit of public transport priority at their core, as opposed to a later add-on.

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