



ccreative commons

Largescale Transport Operating System

a search application for summoning vehicles while finding ridematches using geolocation allied with social network graph concepts and an commodity exchange like feature

> Eric M.W. Masaba Dec 2003 - Dec 2010

This presentation describes how transport can be adapted to better serve humanity in the 21st Century and how a system that performs all the functions described has already been designed, tested and deployed in real conditions.

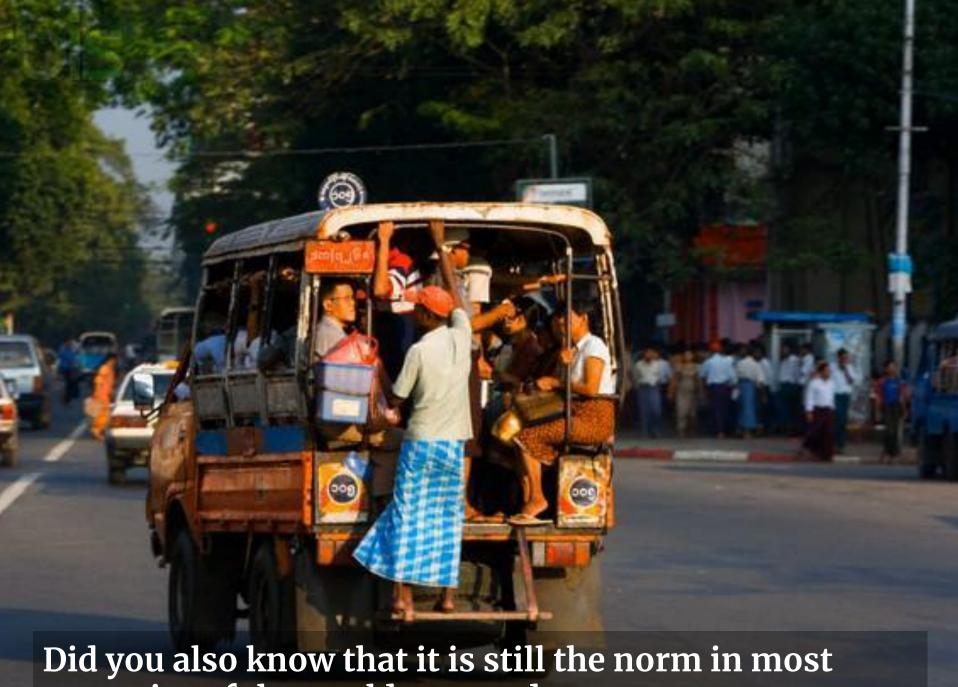
The presentation will take at most about 8 minutes (at 3 - 5 seconds each page)



If you are not familiar with Texxi or the DRT Exchange, please see the list of further presentations at the end of this presentation.

Texxi allows strangers (or friends) to share seats in vehicles so as to save money and reduce congestion





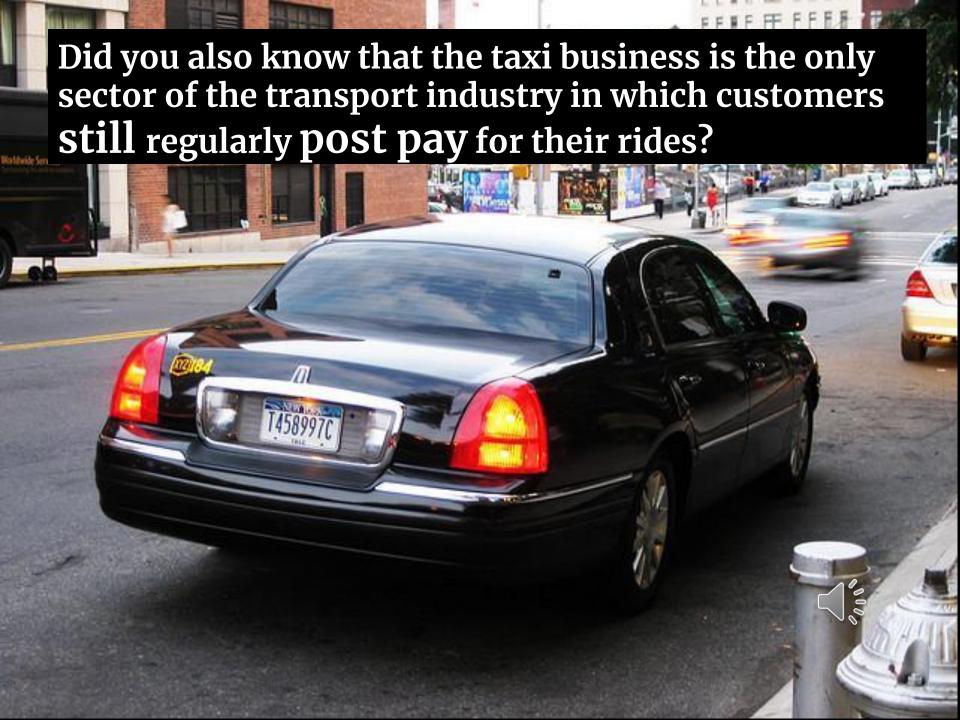
countries of the world even today















And speaking of airlines, did you know that it costs more to travel per mile in a Hackney cab in London than it did flying to New York On Concorde?







2002 Concorde Ticket Prices

Return trip: London - New York

Cost £6,800 (FY2002)

Miles: 6,000

Cost per mile: £1.13

Heathrow to Central London Cab Fare

One Way (1 - 5 people)

Miles: 24

Cost: £42 - £80

Cost per mile: £1.75 - £3.33

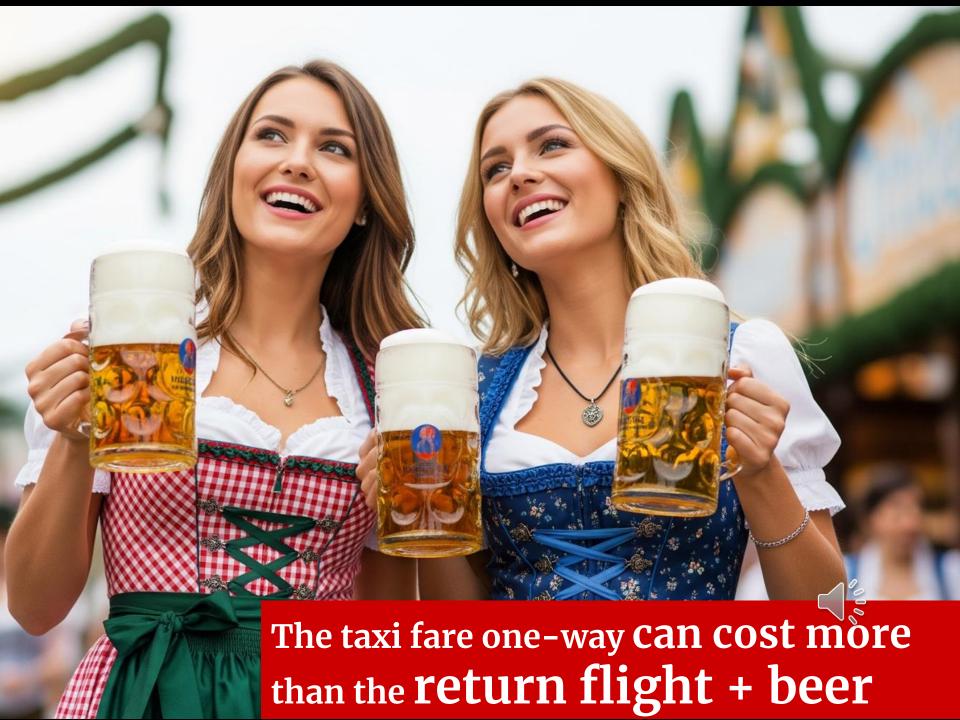
Best cost (avg 2 ppl): £1.24













Why is that?

Could things be any different in the transport business?











with stated preferences for their co-riders and situational ambience





What are you smoking?





but have achieved it in practice in real life situations with real paying customers



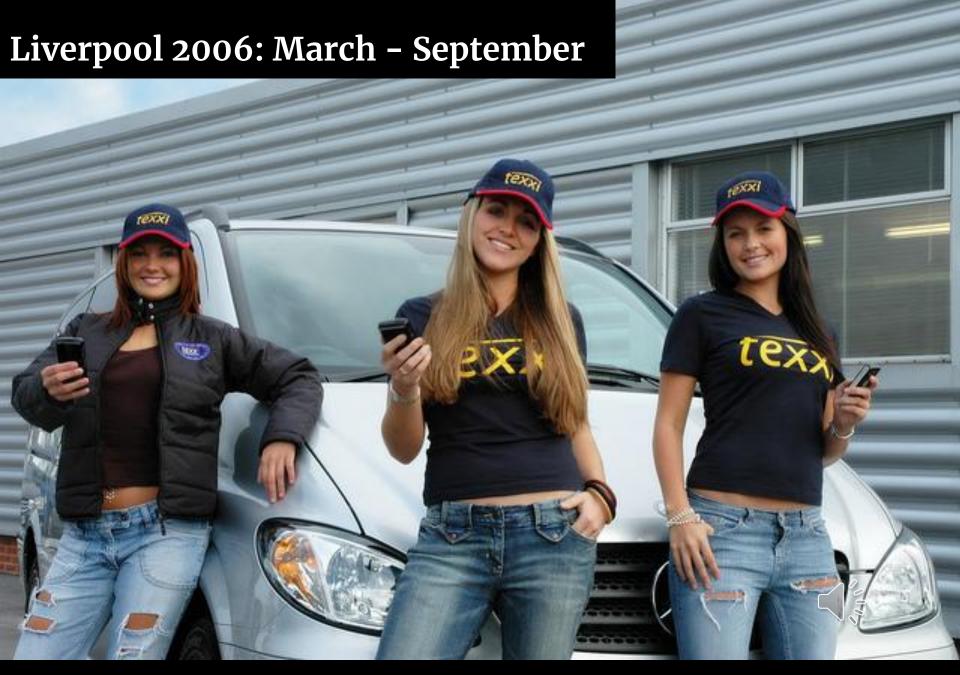


Strangers used SMS to hail a vehicle for a shared ride and travelled to a common set of destinations together



with wait times (headways) of as little as 5 minutes

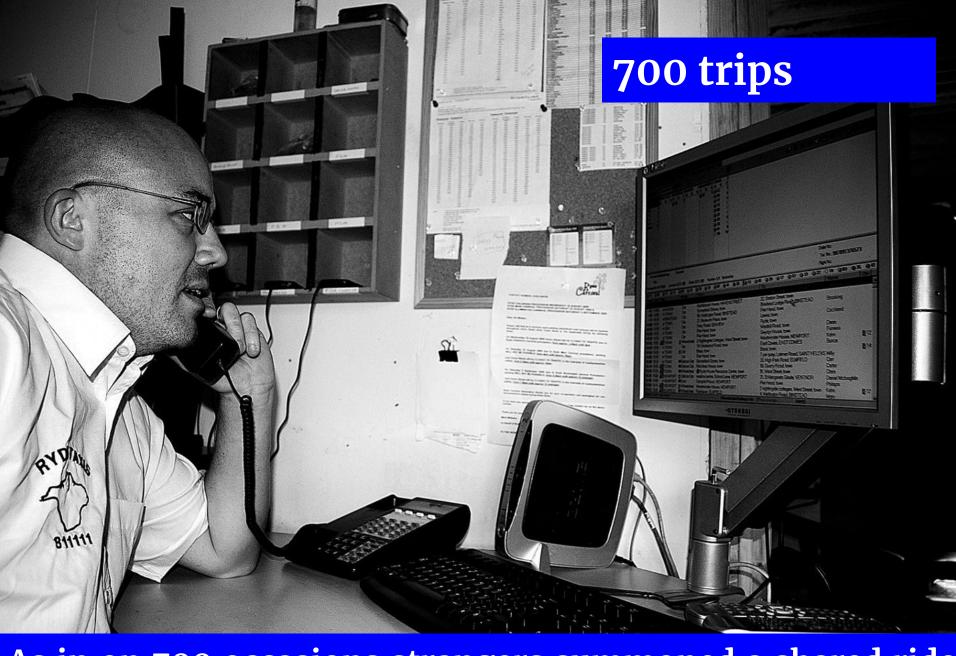




Fridays and Saturdays 22:00 - 03:00







As in on 700 occasions strangers summoned a shared ride in a taxi by mobile phone message













Offering the full spectrum of service levels, prices and ride qualities



For instance, large capacity buses for peak times



but with a preselected group of passengers so the bus functions like an express bus























The best vehicle to suit conditions







appropriately equipped vehicles for parents with small children











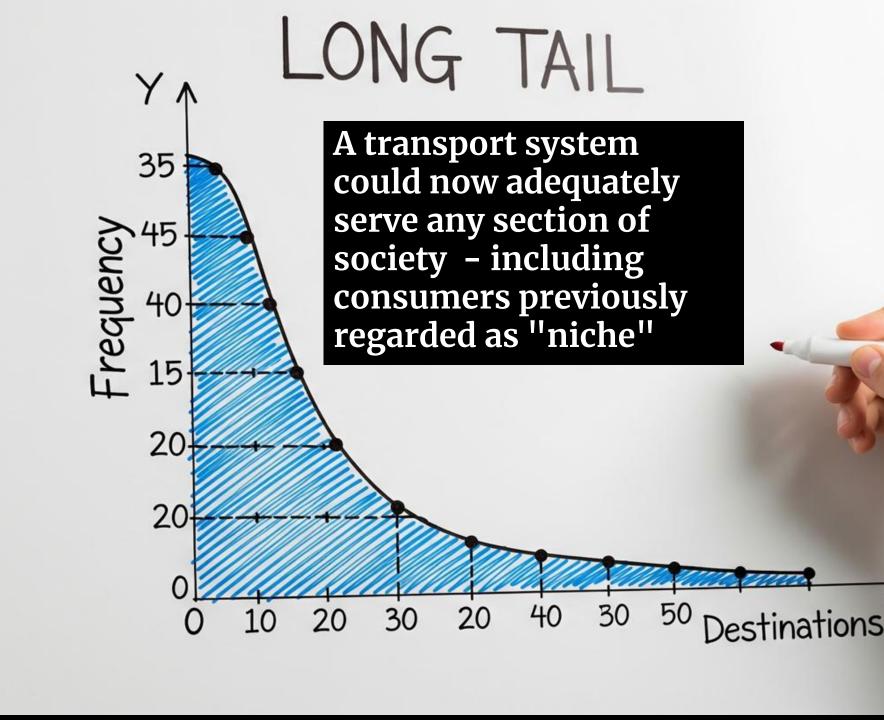


The potential applications are endless

Instead of pandering only to the most common type of person

A phenomenon that could be described as "The Short Head"



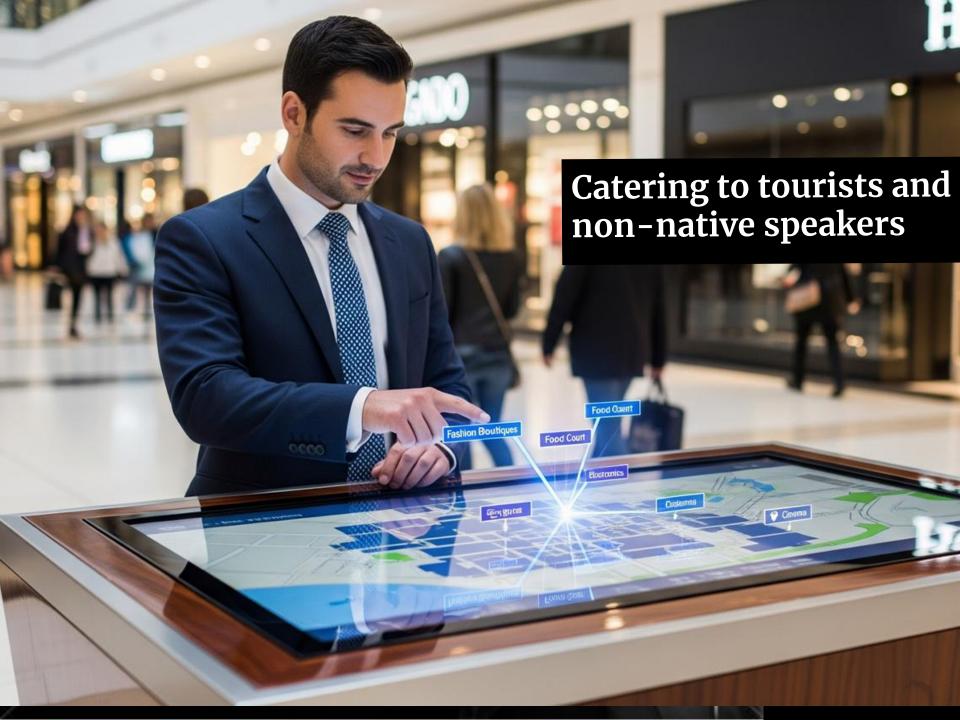


Eliminate the language and script difficulty of both hailing a cab...











Branded full service transport firms rather than simply taxi firms, coach operators or bus companies

The distinction between buses, limousines and taxis could finally be erased



Buses could operate almost like taxis - picking up passengers from nearer their front doors

















the hassle of trying to arrange a designated driver









Could these be done any better?





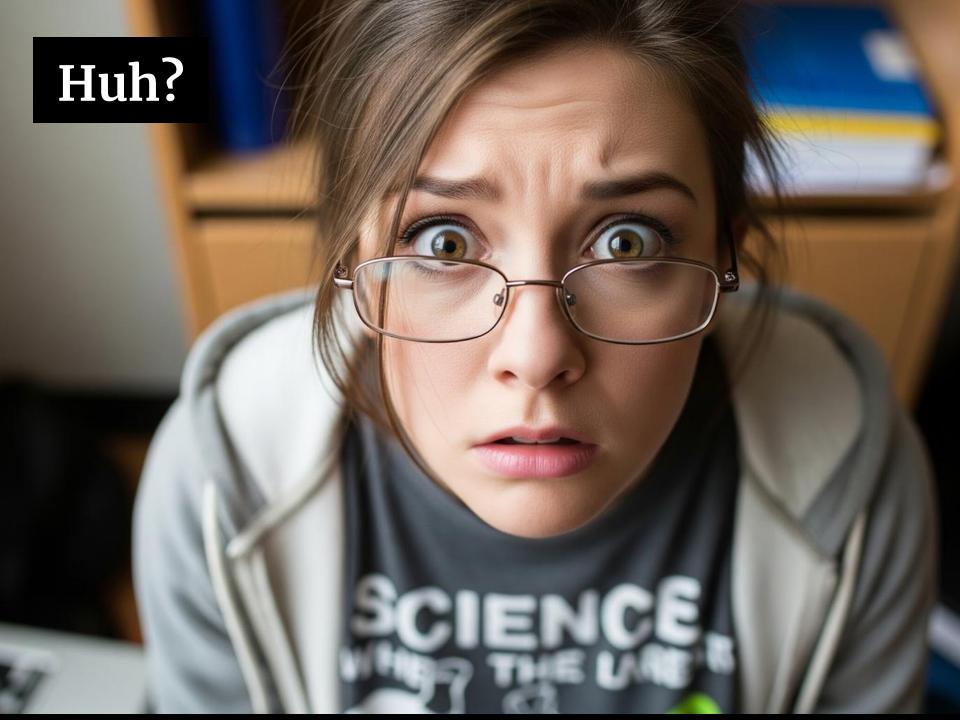






And how about options?







As in you pay a small amount upfront to be able to get a specific ride at a certain price on a specific future date



Or conversely be able to sell a ride that you may not be able to use as planned for a certain minimum price











And Forwards and Futures

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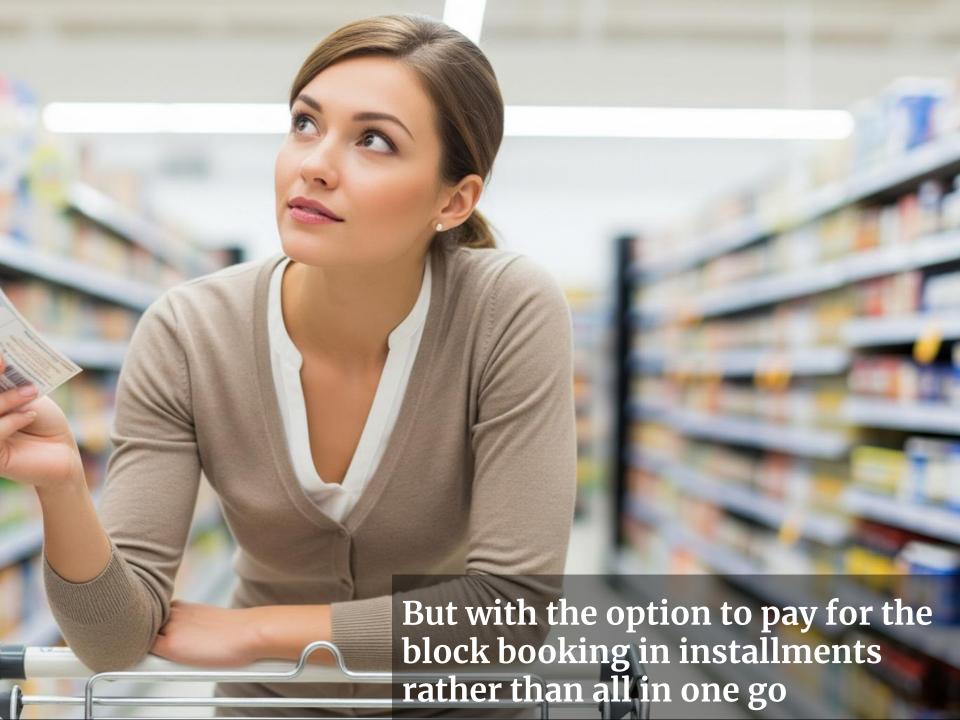
Huh again?





Similar to how you might book a hotel room...









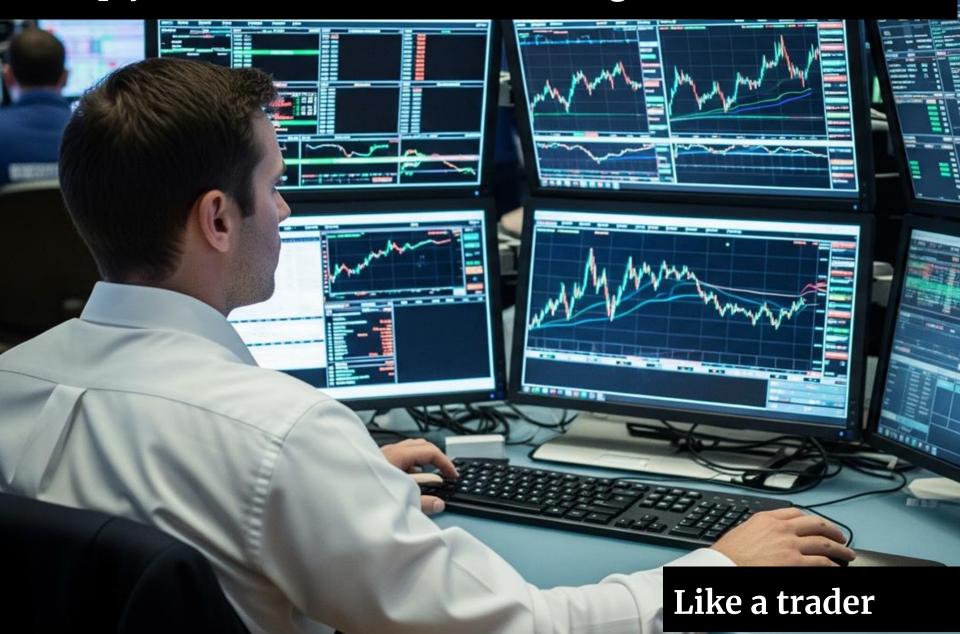








And if you cannot use a booked trip or a series of trips - simply sell them back to the exchange



That, in a nutshell, is the Transit Exchange Concept



Designed to make the transport system in a city into a holistic entity - more like a travel operating system

or a "Battlespace"

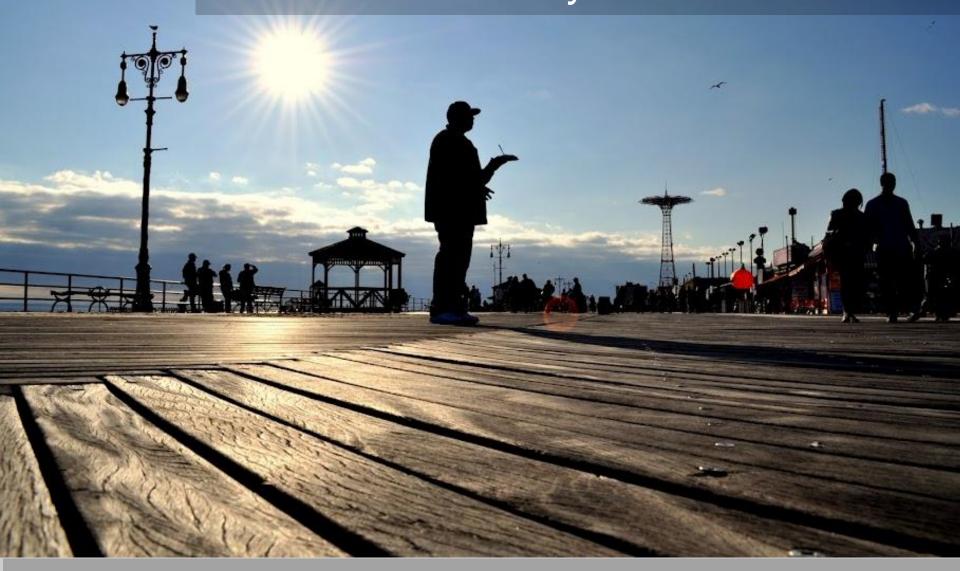


More precisely - a "Travelspace" - with applications, nodes and protocols





Because we are all more connected in our lives and habits than we may realise



So we can thus optimise the travelspace and its actors.



The future just happened. The future is now.

Thank you for watching



Texxi was invented by Eric Masaba in 2004 as a solution to the predicted trifecta of a credit crisis, high oil prices and congestion based on global growth of numbers of automobiles.

At the time of invention, Texxi and Crane Dragon had no affiliation to any institution. Academic or Corporate.

More presentations

Texxi - The Electricity Market
Texxi - The 7 Modes
The Core Concepts of a Transit Exchange
Texxi - Company Overview
Connectivity of a Transit Exchange
Texxi - EU Market Size
Texxi - The Market Opportunity
New Transport Policy Options
The DRT Exchange Explained

The New Transport Economy (REPLAY)
Results from Texxi Deployments 2006 - 2009
Market Makers and Liquidity in DRT Markets
The Long Tail for the Transport Industry
The Evolution of Travel and Search