

Automatic Fare Collection System

SUPPLIER CONFERENCE REGARDING TICKET VENDING MACHINES

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CONCEPT



HOW CAN RUTER MAINTAIN A COST EFFICIENT TVM CHANNEL WITH A SMALL AND DECLINING SHARE OF THE SALES?

- 1. WHAT ARE THE KEY DESIGN ISSUES TO ADDRESS THIS CHALLENGE?
- 2. WHAT ARE THE KEY OPERATIONAL/LIFE-CYCLE ISSUES TO ADDRESS THIS CHALLENGE?

DESIGN PREMISES

- NEW AESTHETIC APPROACH WILL AFFECT THE EQUIPMENT THAT WILL BE IN STRAIGHT VISUAL CONTACT WITH USERS.
- LARGE VISUALS AND TOUCH SCREEN TO PROVIDE FURTHER FUNCTIONALITIES
- REDUCE TO MAXIMUM MECHANICAL ELEMENTS
- ELIMINATE CASH PAYMENTS
- LIMIT ITS USE FOR INDOOR PREMISES
- STRATEGIC LOCATIONS



HOW CAN SUCH A COST EFFICIENT TVM CHANNEL STILL BE FLEXIBLE AND ADAPTABLE, WITHOUT DRIVING COST UPWARDS?

1

IMPLEMENTATION OF ONE-STOP SHOP SERVICE CONCEPT

For information, vending, advertising

- ONE STOP SHOP SYSTEM, INTEGRATING PAYMENT OPTIONS, INFORMATION AND ADVERTISING FUNCTIONALITIES
- ABLE TO PROVIDE TICKETS AND SMART CARDS. CAN SOLVE ALL THE CUSTOMER REQUIREMENTS

2

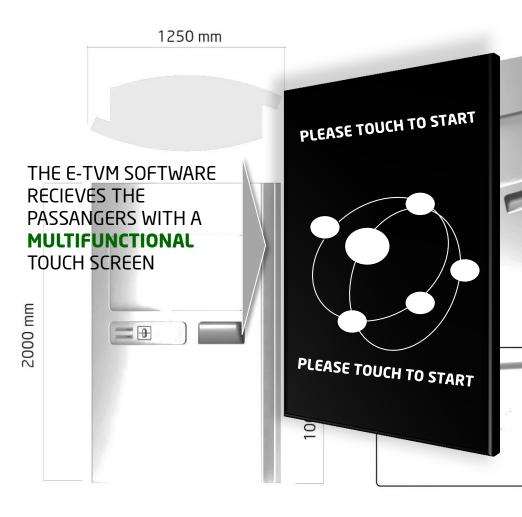
IMPLEMENTATION OF AN OPEN SPACE FOR COSTUMERS

Flexible, adaptable, comfortable

- INNOVATIVE SHAPED HARDWARE, PERFORMING A SIZED TACTILE TOUCH SCREEN, MULTIFUNCTIONAL AND MULTIUSER
- BUSINESS LOGIC TO BE IMPLEMENTED OUT-OF-THE-MACHINE
- ADAPTABILITY FOR NEW FUNCTIONALITIES: OPEN OPERATING SYSTEM



DESIGN CRITERIA FOR SOFTWARE: THE ONE-STOP SHOP SCREEN



SYSTEM CONCEPTUALIZATION:

ONE STOP SHOP SYSTEM, INTEGRATING PAYMENT OPTIONS, INFORMATION AND ADVERTISING FUNCTIONALITIES

ABLE TO PROVIDE TICKETS AND SMART CARDS. CAN SOLVE ALL THE CUSTOMER REQUIREMENTS

SYSTEM FUNCTIONALITIES:

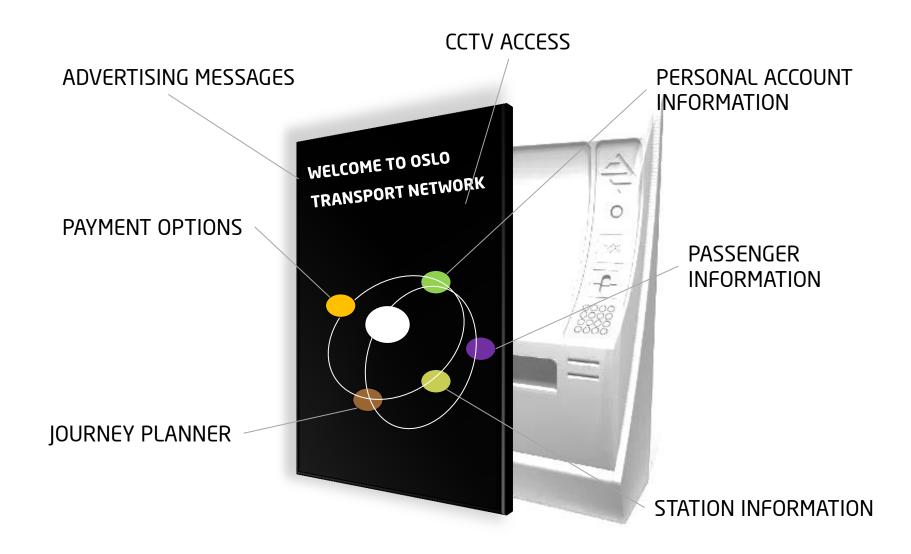
- PAYMENT OPTIONS
- STATION INFORMATION
- JOURNEY PLANNER
- PERSONAL ACCOUNT INFORMATION
- PASSENGER INFORMATION
- GENERAL INFORMATION
- ADVERTISING



OWNERSHIP AND OPERATING MODELS

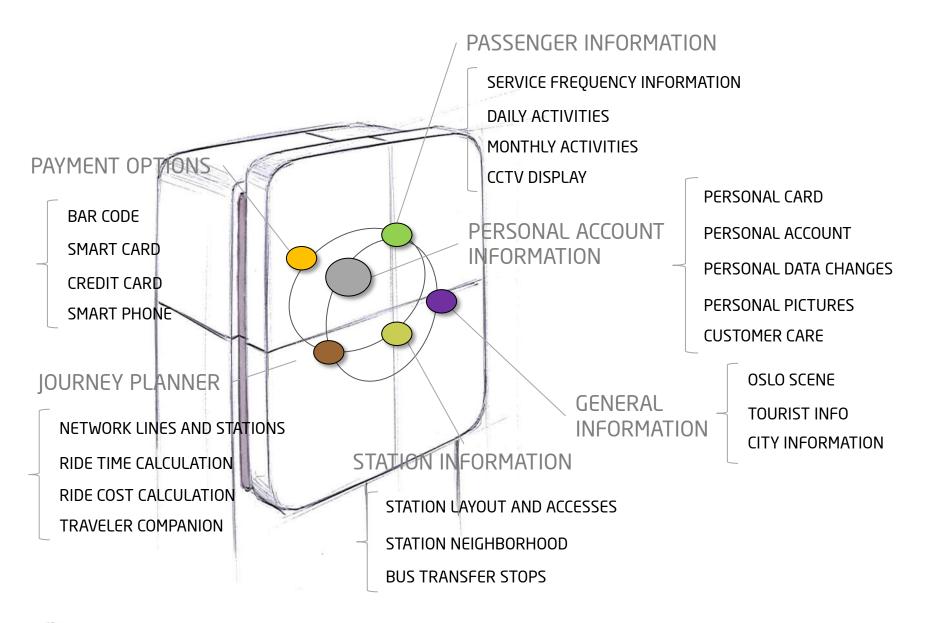


FUNCTIONALITIES OF THE TOUCH SCREEN





DETAIL OF SYSTEM FUNCTIONALITIES





RIYADH METRO EXAMPLE

TOUCH SCREENS AND BOX SHAPED THAT CAN BE EASILY IMPLEMENTED IN THE SHORT TERM

