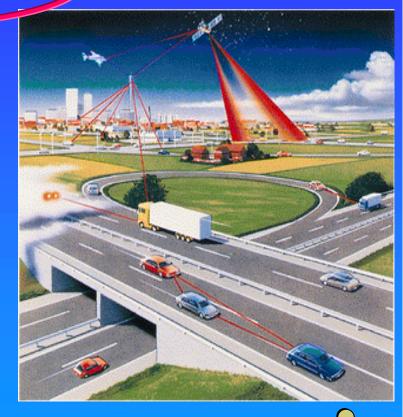


Today: Civilian Applications

ROAD TRANSPORT

Applications

Emergency and Mayday Services Breakdown Assistance Route Guidance and Traffic Information Vehicle Location Fleet and Freight Management Public Transport Traffic Information Systems



And tomorrow...

L

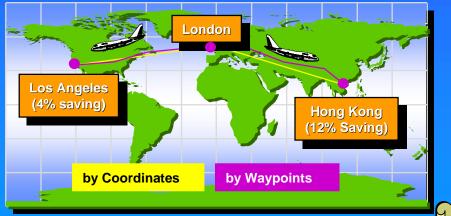
Speed management, lane control, accident management, automatic vehicle control, road pricing and tolling...



Today: Civilian Applications



instead of waypoints



And tomorrow...

High precision navigation, high precision approach and landing, airport traffic management, surveillance applications, free flight...

D



<u>Today: Civilian Applications</u>

MARITIME

Navigation

Fishing Survey and inspection Dredging and cable laying Marine construction Emergency and rescue operations Positioning of navigation buoys





And tomorrow...

Navigation Aids, Vessel Traffic Services, Hydrographic and Oceanographic Surveys, Ship Trialing, Harbour Docking...

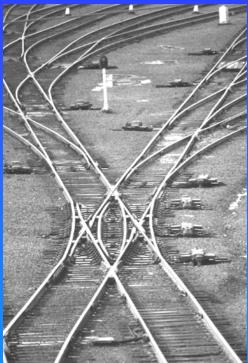




RAIL

In experimental phase or only starting to emerge





And tomorrow...

Supervision (improved safety and economy), Energy Savings, Fleet Management, Track survey, traffic information to passengers

Applications





INTERMODAL

In experimental phase or only starting to emerge





And tomorrow...

Tracking and tracing, fleet management, cargo management

D





NON-TRANSPORT

(PROFESSIONAL Scientific and Engineering





Synchronisation of Utility Networks



Environmental Protection







NON-TRANSPORT EMERGENCY AND SECURITY



Ambulances, Police, Fire Brigades, Search and Rescue Operations

Personal protection, hazardous or extremely valuable goods tracking







OTHER NON-TRANSPORT (LEISURE, SPACE, ...)

Leisure / Tracking





Space Applications (orbit and attitude determination, docking)



And tomorrow...

Limited only by human imagination, applications will exploit synergies with other technologies (Internet, WAP, UMTS, Satellite Imagery..)



WHO IS CONCERNED IN EUROPE ?









26 000 General Aviation Aircraft 4 000 Commercial Aircraft

12 000 Self propelled craft

10 000 Dumbs and Pushed barges

4 000 Tugs and pushers

25 000 Locomotives78 000 Coaches30 000 Automotive train sets

425 000 Wagons







513 000 Buses and Coaches

21 000 000 Lorries and Vans

155 000 000 Passenger Cars

