



Delivering in Partnership

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Issues for Merseyside

- Road congestion
- Declining bus use
- Ageing bus priority system
- Ageing real time information system
- Good UTMC systems
- Can improved and joined up ITS help?





ITS on Merseyside

- UTMC common use of COMET and SCOOT
- Bus Priority - tag based system, now out of support
- Real Time Information – 1996 on limited routes
- Many buses not equipped





Partnership Approach

- Merseyside Bus Board
- Established in 2009
- Local public sector membership
- Bus operator membership
- Set up Bus Board Technology Group





Bus Board Technology Group

- Bus operators, 6 District UTMC, Merseytravel
- Independent chair, ITS specialist
- Improve availability and use of RTI
- Consider :
 - technology
 - data sharing
 - respective contributions and responsibility





Benefits of Bus RTI

- Improved operational management of bus fleet
- Improved traffic priority for bus fleet
- Reduced congestion and pollution
- More reliable bus information and journey times for passengers





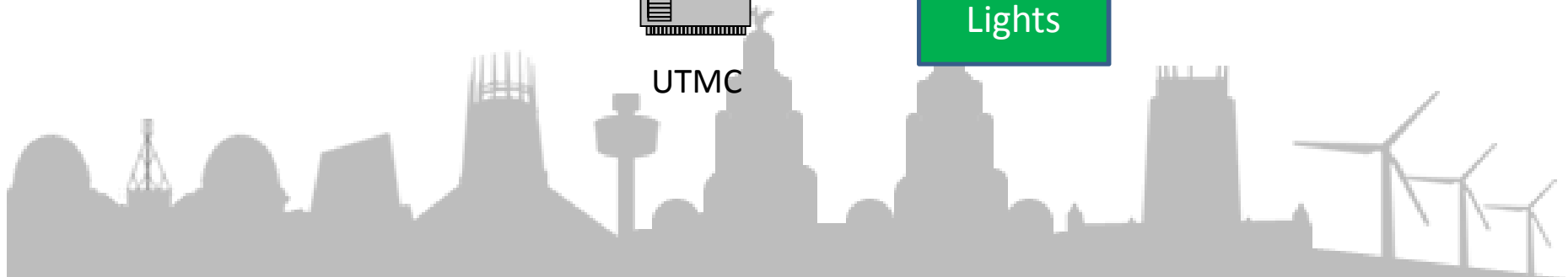
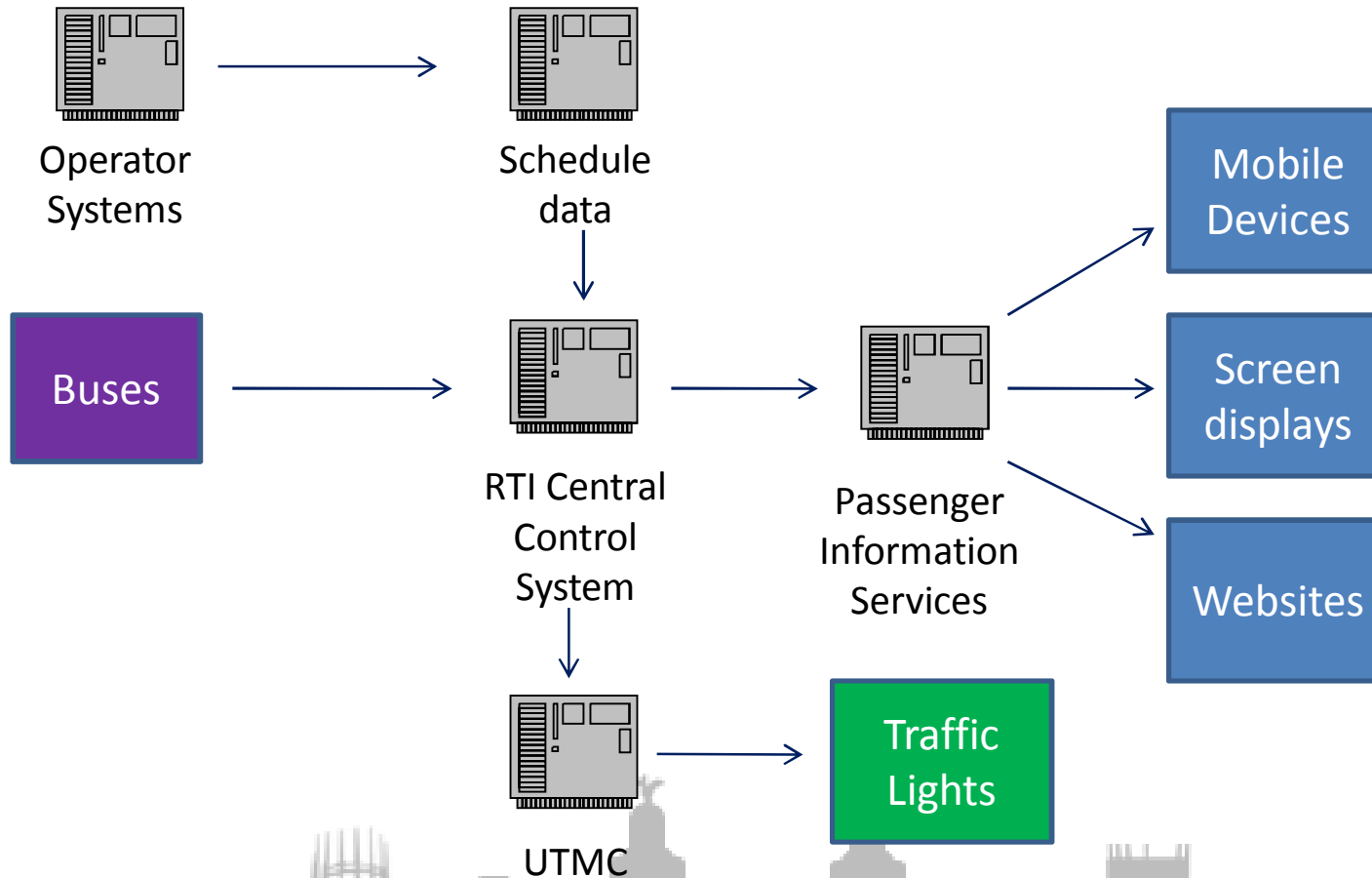
Technology Components of Bus RTI

- On bus equipment to send location data
- Central system to collect and process data
- Operator access to central system
- Central system interface to UTMC
- UTMC control of traffic signals
- System to disseminate passenger information





Data Flows





Partners Roles

- Operators:
 - Install and maintain on bus equipment
 - Provide AVL data for appropriate use
- Merseytravel:
 - Install and maintain central system to process AVL data
 - Provide operator access to own data
 - Pass on appropriate data to UTMC and passengers
- UTMC:
 - Use bus location and timeliness data to control traffic





Challenges

- Be realistic about respective commercial positions; costs and data
- Allow time to build trust in technology and each other
- Look for the benefits for all partners





Progress – central system

- Central system is the heart of the new approach
- Merseytravel in final stages of procurement
- Workshops with partners (BBTG) to review final 3 bidders solutions
- Final approval for recommended system anticipated in February 2011





Progress – on bus equipment

- Smart and Integrated Ticket project – joint working
- New ticket machines both ITSO and GPRS
- Will use RTIG over-air-protocol
- Initial testing of AVL data transmission with early ITSO ETMs
- Prove system integration and build confidence





Example ticket machines

Ticket machine for:

- Single driver logon
- Smart ticketing
- Sending vehicle location





Data sharing

- Working on an operational agreement
- Will provide operator access to data first
- Build confidence
- Agree timing for sharing data with UTMC to test bus priority
- Agree timing, marketing approach to provide to passengers through web and screens





Merseytravel seeks

- to promote an integrated transport system to improve quality of life on Merseyside

and

- with partners deliver a single accessible integrated transport network to support wider local, regional and national agendas





Any questions?

