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improving
public transport
through technology

Next Generation Bus Priority

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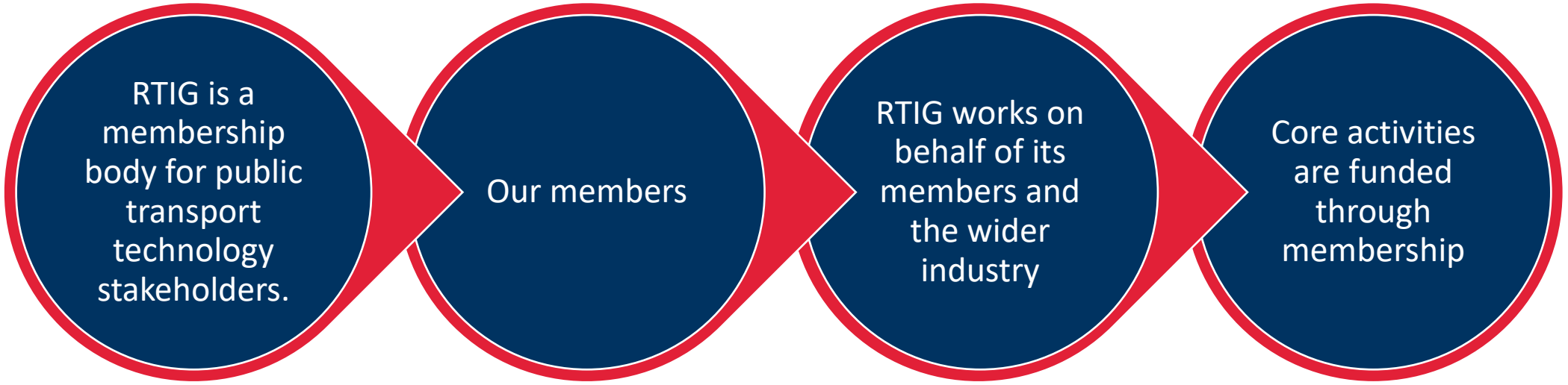

- local authorities,
- bus operators,
- system suppliers,
- Consultants.

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Extensive technical library

- Continuously evolving
- 60+ Documents

Development of standards

- UK
- European levels
- Cooperation
  - VDV
  - CEN
  - ITS (UK)

Practical guidelines

- How to
- Technical guidance
- Best practice
- Case studies

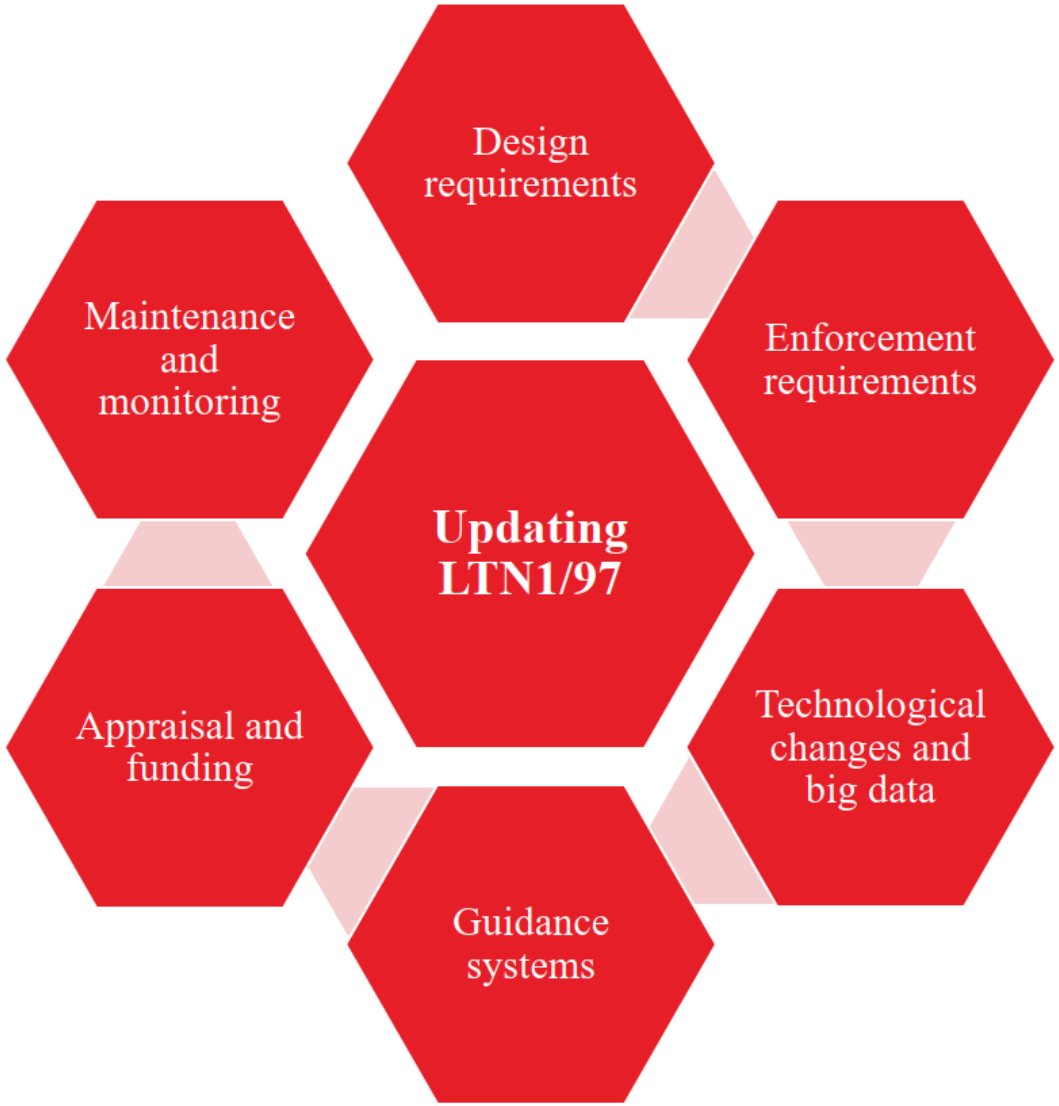
Education

- Sharing experience
- Day workshops
- Lunchtime Webinars
- Working groups

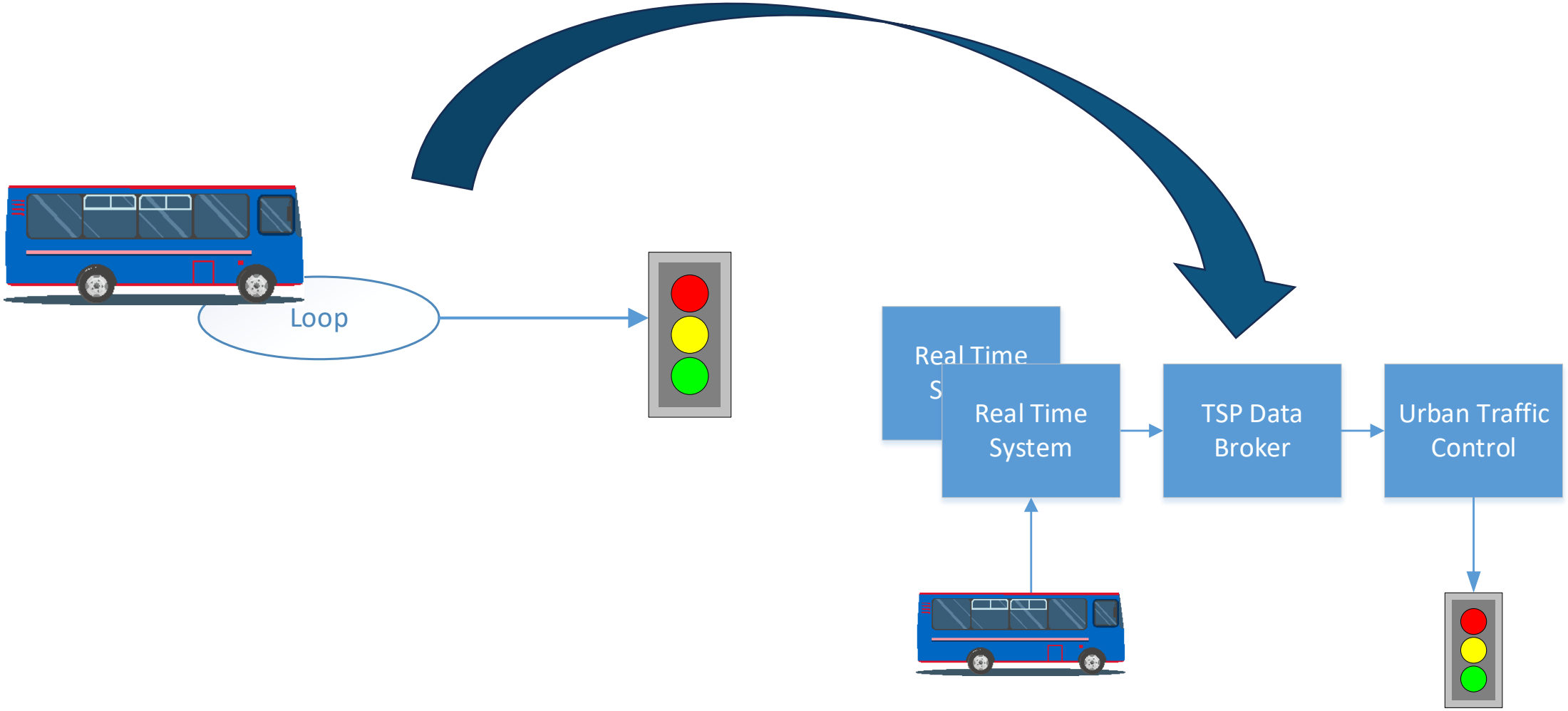
Don’t forget physcial measures

Local Transport Note

- Public Transport Priority systems ar **times**, and the **service reliability** of with local authority policy objective
- Current version 1997….
- New version in production
  - Arup / Aecom



Current Technologies



Benefit

- Sheffield (2006); 2 sections of road in local mode
  - average journey time savings of 39 & 131 seconds
  - increased consistency of journey times.
- Leeds (2014/15); 400 junctions, 240 with central priority
  - BCR of 3 on a sample of 1/6 of sites setup. Full roll out BCR >8
  - Up to 8 mins saved on peak time journeys
- Manchester (2019); up to 31 seconds per junction
  - Impact on general traffic was broadly neutral.
  - Very high BCR of over 30.

Future

➔ More integration between bus and traffic management

➔ High frequency location updates

➔ Predicting arrival time

➔ Headway

➔ Reduce human overhead

➔ **Whole journey time management**

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