

Liquid Gas and Lightweight Rail: Clean, Green & Quiet



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Contents

Lightweight Rail in Service

Parry People Movers Technology

How Liquid Gas Fuel is Used

The Advantages of Using Gas

Future Requirements for Fuel Supplies

Conclusions

Sundays at Stourbridge



Pre Metro Operations services began in December 2005

Officially launched in February 2006

Service at Stourbridge



New rail passengers

Improved accessibility of rail services

Stourbridge Service Performance

Over 3,000 timetabled journeys operated

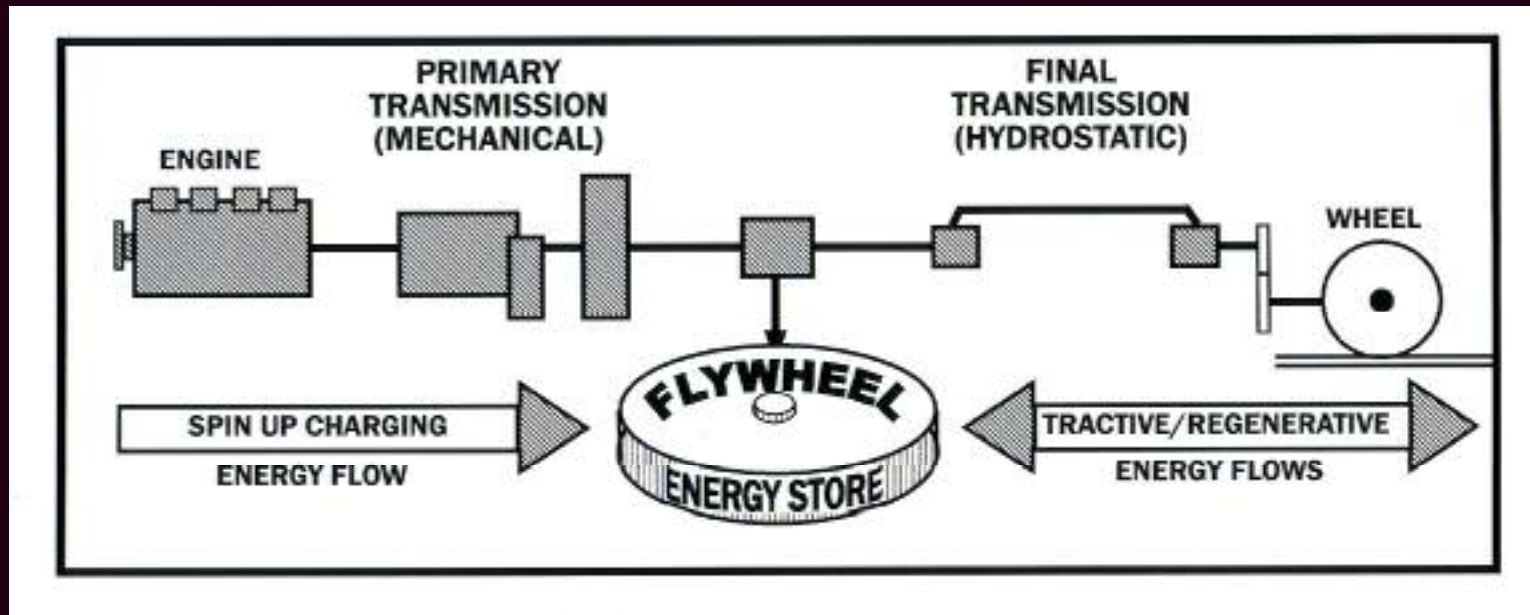
Service reliability over 98%

Late running less than 1%

Most days 100% reliability and punctuality

Over 7,000 passenger journeys

PPM Technology

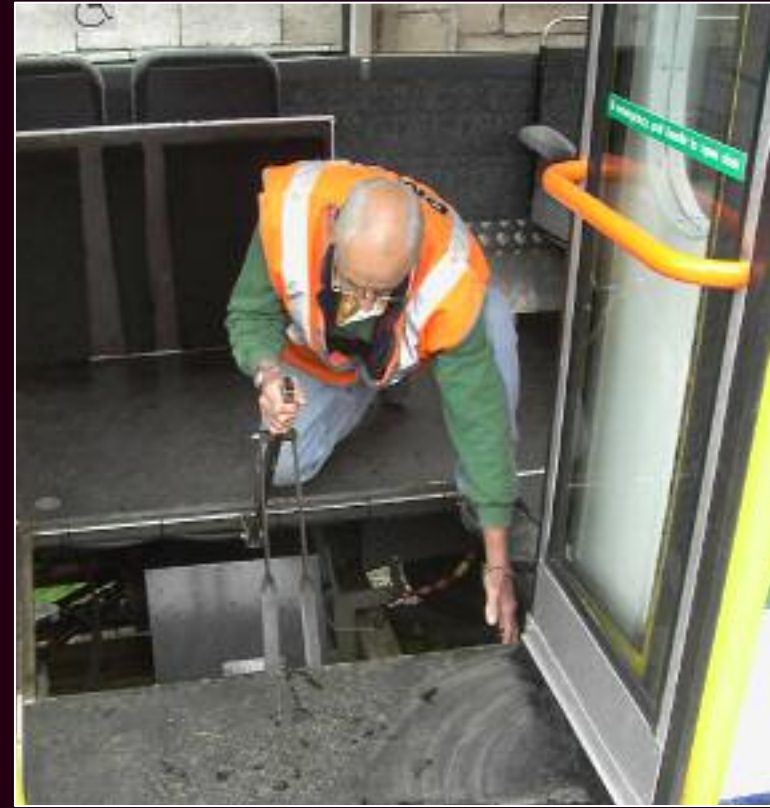


Low weight

Energy storage - regenerative braking

Variety of possible power sources

Use of Gas in Lightweight Rail



Use of Gas in Lightweight Rail



Gas/Flywheel Hybrid: Results

No noticeable
emissions

Quiet operation

“Where does the
electricity
come from?”



Future Requirements

Permanent fuelling arrangements

Reliable gas supplies

Nationwide application

Conclusions

Small engine + gas fuel = “electric”

Emissions are not noticed

A new transport market for gas fuel



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