FCVs Demonstration in Beijing 2008 Olympics and Paralympics

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Content

• Part 1 PC
• Part 2 Bus
• Part 3 FCV in Marathon
• Conclusion
Part 1 PC
The Routes

1、The Fixed Line: Yongfeng base ——MOST, Transport Bureau（Headquarters, branches of Chaoyang, fengtai, haidian）

2、Random line: The random official business line

3、Marathon line: The line set by BOCOG

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The Group Information

The group includes more than 100 people.
Two-shift operation, 19h/day, 7 days/week.

Four subgroups:
1. Run scheduling and driver management
2. Technical service
3. Base management and logistics supply
4. Expert subgroup
Dr. Wan Gang,
Minister of MOST.

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Demorunning data

The sum distances of 20 FCVs is 50566km From 14 July to 24 Aug.
Hydrogen consumption: 1.2kg/100km
Hydrogen fueling station

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Part 2 Bus
Route

About 105km/day

Via Pingpong Gym, Summer Palace, Yuanmingyuan Palace, Beida, Tsinghua, Renda, and Zhongguancun.
## Demorunning data

<table>
<thead>
<tr>
<th>Bus No.</th>
<th>Km of Aug 1</th>
<th>Km of Aug 24</th>
<th>km</th>
</tr>
</thead>
<tbody>
<tr>
<td>京AE0000</td>
<td>8429</td>
<td>10358</td>
<td>1929</td>
</tr>
<tr>
<td>京AE0001</td>
<td>1014</td>
<td>2517</td>
<td>1503</td>
</tr>
<tr>
<td>京AE0002</td>
<td>1017</td>
<td>2956</td>
<td>1939</td>
</tr>
<tr>
<td>Total</td>
<td>10460</td>
<td>15831</td>
<td>5371</td>
</tr>
</tbody>
</table>
H2 consumption

During Aug 1 to Aug 24
H2 consumption: 585.39kg (5371km)
Average H2 economy: 10.9kg/100km
Key points

- 2008.08.01，demorunning with customers
- 2008.08.17、24，marathon race/Olympics
- 2008.09.17，marathon race/Paralympics
Before Olympics

- 单车最大考核里程 40,000 公里
- 最大日考核里程超过 500 公里
Leakage monitoring and precaution sys

- Level 1: 0.4% voice/light precaution
- Level 2: 1.2% decrease the speed
- Level 3: 2.0% power off
Simulation of impact

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Part 3 Marathon
FCHEV attending the Marathon game

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Part 4 Conclusion
conclusion

- Good reliability, runs smoothly and safe
- Self-confident, they are safe!!!!!
- Future experience
- Air quality
- All in one: A great success
- Price- next topic
Thanks!