Moving construction material in a smarter, safer and cleaner way

The Safety, Productivity & Environment Construction Transport Scheme (SPECTS) is a NSW Government initiative designed to improve the safety, environmental performance and productivity of heavy vehicles used by the construction industry in the Sydney – Newcastle – Wollongong area.

Similar in size and performance to heavy vehicles in use today, SPECTS vehicles are able to carry greater loads of the construction materials required to build housing and infrastructure, while offering increased safety and efficiency.

$72.7 billion
NSW infrastructure investment over the next 4 years

207,650 new homes by 2021
**SPECTS Vehicles Are More Productive = Less Truck Movements**

- **Non SPECTS vehicle:** 32.8 tonnes
- **SPECTS vehicle:** 40 tonnes

<table>
<thead>
<tr>
<th>Non SPECTS vehicle</th>
<th>SPECTS vehicle</th>
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<tbody>
<tr>
<td>8 trips</td>
<td>7 trips</td>
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- **21.95% increase in payload capacity**

*Maximum allowable mass: 48.5 tonnes for a 3-axle truck and 3-axle dog trailer*

**SPECTS Vehicles Have More Safety Features = Safer Roads**

- Higher centre of gravity
- Globe lights
- Noise adjusting reversing alarm
- Light-emitting diode (LED) tail lights
- Reversing lamp
- Electronic Stability Control
- Enhanced vehicle visibility markings
- High speed avoidance manoeuvring
- Satellite tracking and mass assurance systems
- Cameras and blind spot mirrors
- Anti-lock Braking System (ABS)
- Euro 3 engine
- Disc brakes

**SPECTS Vehicles Produce Less Emissions = Improved Environmental Performance**

- **Non SPECTS vehicle:** 0.13g/kWh (Euro 3 engine)
- **SPECTS vehicle:** 0.02g/kWh (Euro 5 engine)

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<th>SPECTS vehicle</th>
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<td>84.61% reduction in emissions</td>
<td>5.7–8.2% reduction in noise levels</td>
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<tr>
<td>87–122dB</td>
<td>82–112dB</td>
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**Maximum length**

- 3-axle truck and 3-axle dog trailer* 19 metres
- Performance Based Standards 3-axle truck and 4-axle dog trailer** 20 metres

*Maximum allowable mass: 48.5 tonnes for a 3-axle truck and 3-axle dog trailer*

**Maximum allowable mass: 57.5 tonnes for a Performance Based Standards 3-axle truck and 4-axle dog trailer**