

QTLC FREIGHT SMART GRANT SCHEME

The QTLC together with Transport and Main Roads offered to 2 grants of \$50,000 with the aim of encouraging and supporting Queensland based industries in identifying, trialling and evaluating innovative freight practices that will reduce urban congestion, minimise greenhouse gas emissions and deliver a more efficient and effective freight network.

The successful recipients of the Freight Smart Grant Scheme, Cannon Logistics and Strategix Training Group completed successful trials of their proposals and have presented their final reports to the QTLC.

Cannon Logistics trials tested Ice COLD Technology's ability to deliver improved refrigeration efficiencies and fuel and carbon emission savings across the Australian refrigeration transport industry. The trials aimed to deliver savings by restoring lost efficiency caused by oil fouling which occurs naturally in refrigeration.

The trials proved successful and were completed on trailers in an "In Yard" and "On Road" environment. The average cost recovery period across both Continuous mode and Sentry Cycle mode is 7.46 months.

Return on Investment (ROI) results were calculated on trailer loads that most closely reflected typical operating conditions and was based 10 years of life usage.

Strategix Training Group presented their final In2Green product to the QTLC's CEO on 25 May 2012 and includes a:

- In2 Green workbook
- In2Green instruction DVD
- IN2Green template CD

The program has ten easy steps to follow. It enables users to plan their routes in a more efficient manner, to allow optimum vehicle utilisation, while reducing urban congestion. It outlines programs such as eco-driving and smart planning applied to vehicles, including trucks to demonstrate efficiencies gained by implementing these programs. Eco drive trials have resulted in the reduction of fuel burn at an average of 22%.

Information relating to the Freight Smart Grant proposals will be available on the QTLC website.

The next steps will be to promote the final products, the QTLC will work with Cannon Logistic and Strategix Training to ensure that the benefits are shared with the freight and transport industry.



Logistics council grant develops GHGsaving technology

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Posted by: Charles Pauka

Developed through a successful Freight Smart Grant application by Cannon Logistics, IceCOLD® Synthetic Catalyst Technology (IceCOLD®) has proven itself successful. The grants were offered as a joint initiative by the Queensland Transport and Logistics Council (QTLC) and Department of Transport and Main Roads to encourage innovative solutions to reduce carbon emissions and traffic congestion.



Cannon's grant submission involved the trialling and measuring of IceCOLD®'s performance. The testing was conducted on fleet trucks under various operating conditions, including an 'on-the-road' trial that replicated the 'day in the life' of a Cannon refrigerated truck. The results of the trials validated the product's capacity to deliver diesel fuel and carbon emission savings of greater than 30% for refrigerated transport.

Dr Rebecca Michael, CEO of the QTLC said that: "The QTLC is extremely pleased with the results of the IceCOLD® research, the product has exceeded our expectations. The long-term benefits for industry and the environment speak for themselves. IceCOLD® contributes positively to environmental outcomes and also has broader economic benefits for the refrigerated transport industry."

IceCOLD® is added to the refrigeration unit's compressor oil and works by restoring the lost efficiency caused by the normally occurring "oil fouling" of heat exchangers in refrigeration and air conditioning.

"The Freight Smart Grants Scheme has provided Cannon Logistics with the opportunity to showcase the effectiveness of IceCOLD®. The testing has proven the significant fuel savings and carbon emission reduction to be gained by adding IceCOLD® to existing refrigerated vehicle units."

