

EASI CATERING TRANSPORT PLANNER

TECHNOLOGY OVERVIEW

Easi Catering Transport Planner is developed based on operation research technology to assign and schedule delivery/collection jobs to vehicles.

The system is able to:

- perform transport planning, visualise delivery and collection jobs on the map; and
- generate delivery plan for 300 catering delivery jobs within two minutes.

Thus, significantly

- reduces time spent on transport planning; and
- improves fleet productivity and reduces overall traveling distance as well as fuel consumption.

POTENTIAL APPLICATIONS

It is designed solely for the catering industry, for the planning of food delivery and utensil collection. It can be used as a standalone planning tool which can also be integrated to existing catering management system.

MARKET OPPORTUNITIES

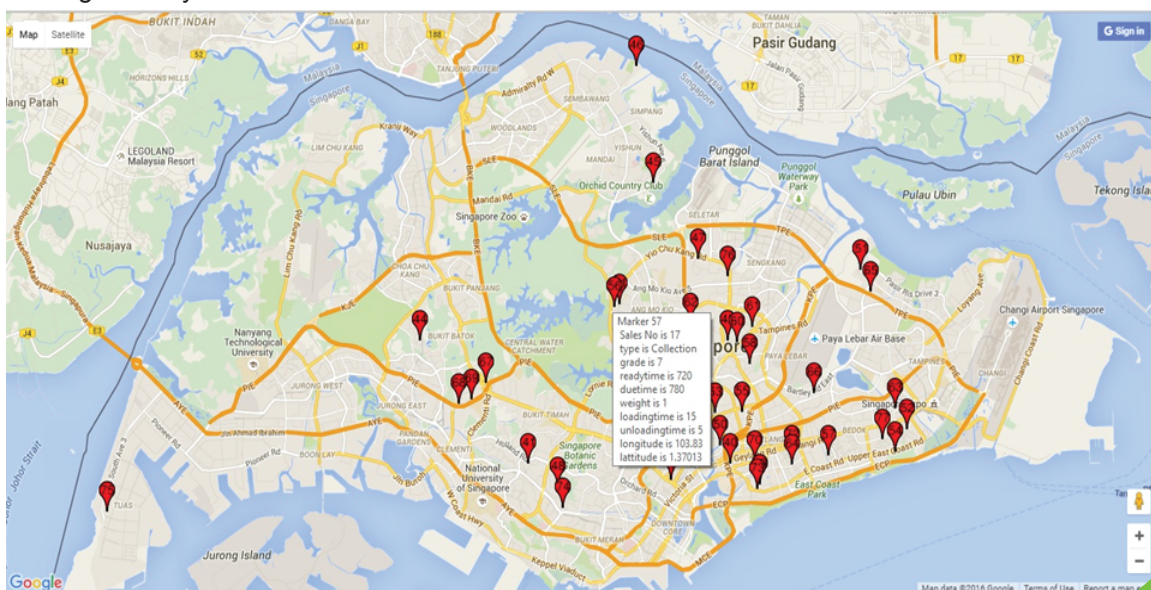
Based on the research done, there is no similar catering planning system in Singapore. Most of the catering companies in Singapore are still planning their delivery/collection manually. All the catering companies are potential users of our system and can benefit from this optimised delivery/collect planner.

COMMERCIALISATION

This system is available for licensing.

CONTACT DETAILS

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Looking for an open innovation partner? Contact Republic Polytechnic today!

Whether you are looking for new ideas to improve your current business flow, need access to research and technology expertise, or require facilities to bring your innovative ideas to life, we may be the partner for you.

At Republic Polytechnic (RP), we bridge the gap between knowledge and application by facilitating information and technology transfer to industry partners. Taking a holistic approach, our team of experts can assess your business needs, provide consultancy, conduct feasibility studies, and render support to help increase your company's competitiveness.

Facilities and Equipment

RP is home to state-of-the-art facilities and the latest technology, which are on par with industry standards. You can access these facilities by collaborating with RP on joint projects or through facility and equipment rentals.

Research and Development

Transform your ideas into reality. RP's multi-disciplinary applied R&D centres can work with you in many different ways, including exploiting new technologies, developing new products and streamlining processes.

Current Opportunities for Collaboration and Commercialisation

- Innovative Single-tube Multiplex Diagnostic Platform for Dengue and Chikungunya Viruses
- Low Cost Wireless Patient Weight Measurement System for the Physically Impaired and Bedridden
- New Catalysts for Sustainable Liquid Biofuels
- New Chemical Entities with Potential Applications in Photodynamic Therapy
- Thermoelectric Micro-coolers for Electronic and Optoelectronic Applications
- Visual Sentiment Analytics for Social Media Analysis
- Wireless Proximity Sensing for Safety and Security Applications
- Wireless Stress Monitoring System
- Portable Hydrogen Generator and Low Cost Hydrogen Fuel Cell System Development
- All-Solid-State Lithium Ion Thin Film Micro Battery
- Cloud-based Logistics Tracking

For more details, visit <http://www.rp.edu.sg/Industry.aspx>, or email us at help-otd@rp.edu.sg.