

Energy Research Institute @ NTU











EcoLabs Centre of Innovation for Energy

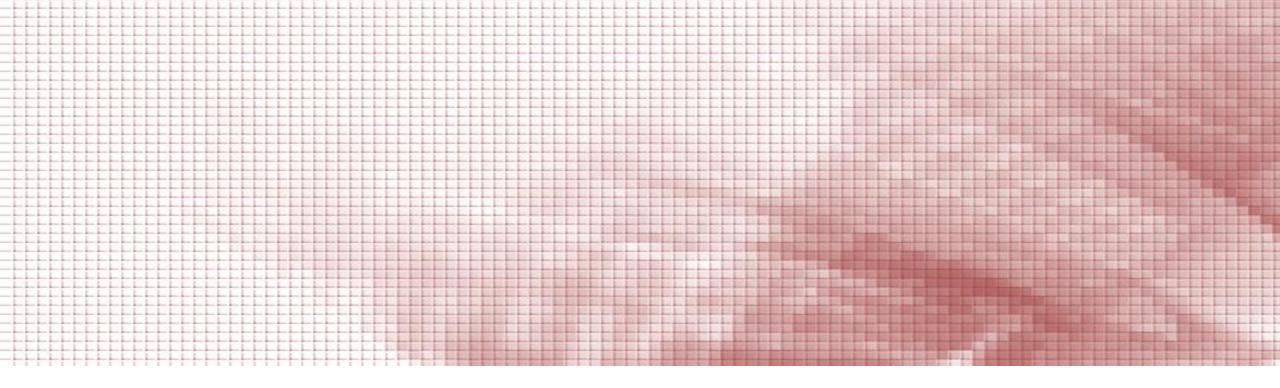
Case study - Future Mobility

Ryan Jin, Lead (Smart Cities & Future Mobility)

3 March 2020

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https://ecolabs.sg/

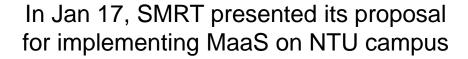


LIVING LAB CASE STUDY MOBILITY-AS-A-SERVICE TESTBED (NTU)



Partners







- Testbed an innovative carlite EcoCampus
- Focus on R&D in mobility innovation
- Enhance campus livability and connectivity



MoU Signed on 6 Feb 2017 to test-bed MaaS solutions



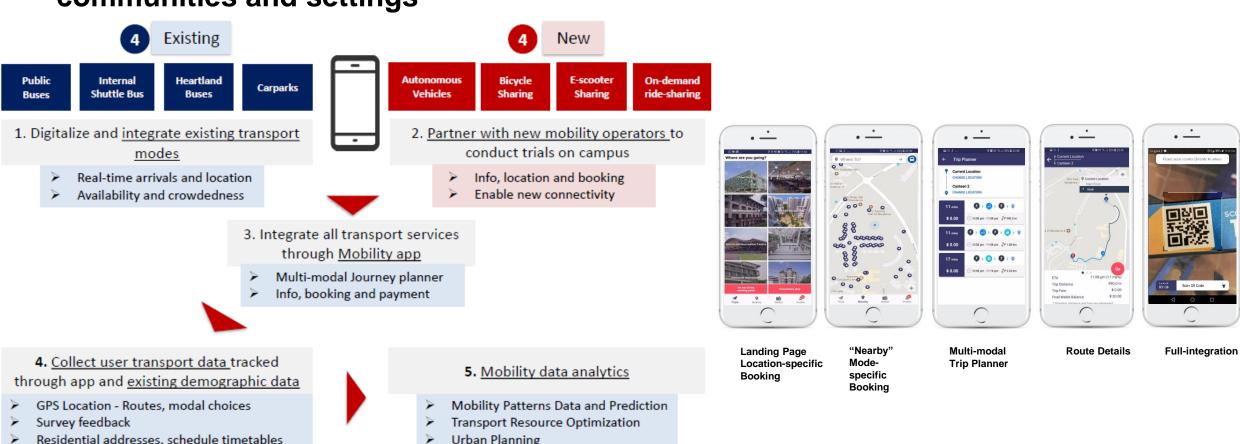
- Master planner and developer of innovative industrial infrastructure
- Jurong Innovation District as large scale living lab for urban solutions



- Experienced multimodal transport operator
- Developing portfolio of new mobility modes



 Living Labs: Defined as a user-centred, open innovation ecosystem based on systematic user co-creation approach and integrating research and innovation into real life communities and settings





Testbed and Solutions



More than 10,000 unique registered app users





4000+ passengers on GRT AV Trial in NTU Aug '17 to May '18 Hall 12 - 15











1000 daily e-scooter trips are made, with an average distance of 1.3km.

900+ Obike Trips monthly







Digitalization of Campus shuttle buses



2,000+ On-demand shuttle bus









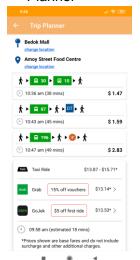
Bus Arrival Times



Bicycle Availability



Multi-modal Journey **Planner**



Personalisation



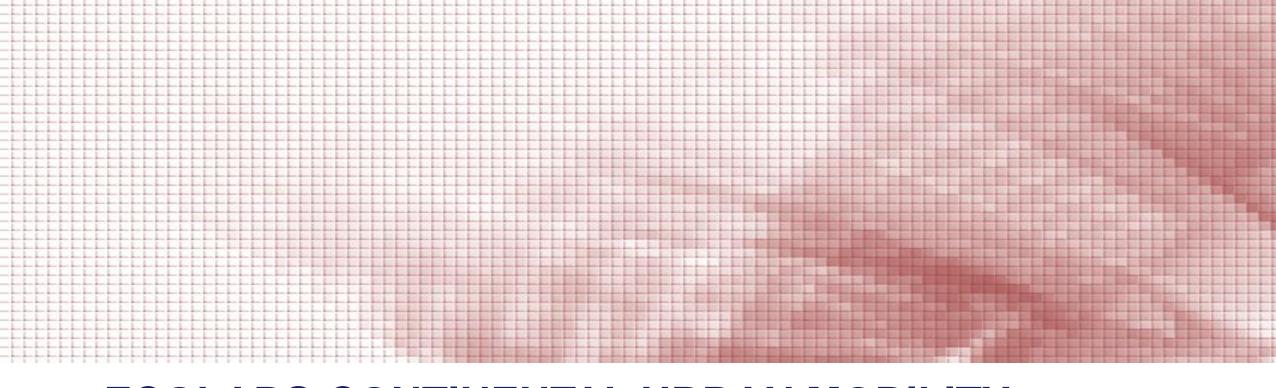


Adding Toyota Tsusho as an investor will help this mobility tech solutions company drive its offerings beyond Singapore.









ECOLABS-CONTINENTAL URBAN MOBILITY ACCELERATOR (ECUMA) PROGRAMME

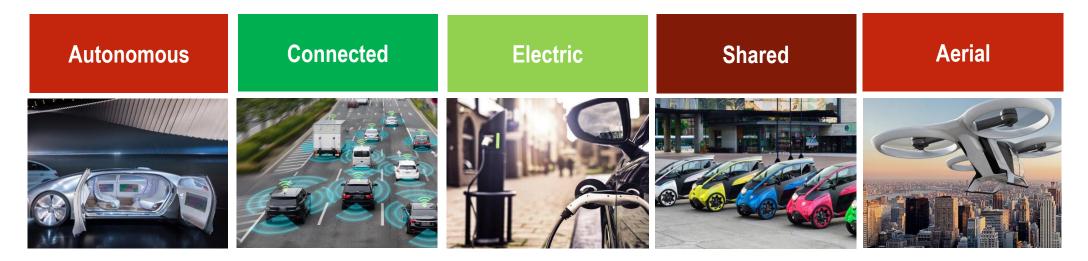


The EcoLabs-Continental Urban Mobility Accelerator (ECUMA) Programme is jointly established by *EcoLabs* Centre of Innovation for Energy and Continental Automotive Singapore.

It aims to build a pipeline of products and services that are co-created by startups, SMEs and our industry partner Continental.



Focus Area



stand to obtain up to

SGD\$175K

in cash and startup support, including access to lab spaces, equipment, testbeds, training, pitching sessions and more!



ECOLABS

CENTRE OF INNOVATION FOR ENERGY

Your one-stop eco-system partner in Open Innovation and Technology Co-development in the energy industry









THANK YOU

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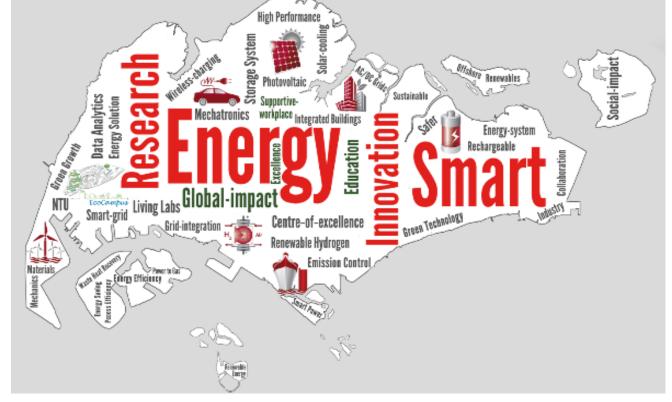
























Thank you!

https://ecolabs.sg

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