

OFFICE OF TECHNOLOGY DEVELOPMENT



Partnering with RP

By developing applied collaborative projects with our key partners, we can exploit the rapidly changing and dynamic nature of engineering, applied science, information and communications technology and digital media technology. Hence, our industrial partners will in turn benefit from the collaborative efforts with RP.

Together, we can nurture professional and technical competency, entrepreneurial learning and innovation both at the polytechnic, and within our partner organizations.

So why not come and talk to us? Find out if our TDCs could contribute to the advancement of scientific research and create an opportunity for developing POC (proof-of-concept) projects within your organization, whether you are a SME, large corporation, RI or academic centre.

If we can, we will!

RP Technology Series Events – A Learning and Networking Forum for Industry

Every year, each TDC within RP organises a knowledge-sharing and networking event in their own area of expertise, where experts working in Industry, Government and academia are invited to provide presentations and feedback to an open audience. In 2006, RP hosted Technology Series events on topics such as “RFID - New Applications and Opportunities”, and “Functional Foods - The New Frontiers”. In 2007, events are planned in the fields of Complementary and Alternative Medicine, Embedded Systems and many more.

Don't miss out...keep in touch with OTD about what interests you, and be the first to know what's on when!

CONTACT INFORMATION:

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ABOUT OTD

Research & Development Culture in Republic Polytechnic

The Office of Technology Development (OTD) was set up in 2004 to champion technology development and to promote research collaboration between RP, industry and other parties. We aim to:

- Steer, co-ordinate and guide the technology development activities in RP through Technology Development Centres (TDCs)
- Promote a vibrant Research & Development (R&D) culture in RP through the development of a conducive environment for R&D work
- Encourage and facilitate organic R&D work and collaborative R&D projects with the Industry, other Institutes of Higher Learning (IHLs), Research Institutes (RIs) and Research Funding Agencies
- Oversee the management, protection and possible commercialization of Intellectual Property generated from RP.

Uniquely, we achieve this through the innovative concept of Technology Development Centres (TDCs).

What are Technology Development Centres (TDCs)?

The TDCs at RP were set up to develop centres of excellence in selected areas of core competencies supporting Singapore's cluster development strategies. They draw upon the multi-disciplinary resources residing in all the Academic Schools and Centres to focus on real-world developmental projects with direct relevance to local industries. Currently, there are eleven TDCs operational, with more in the pipeline.

- Complementary and Alternative Medicine
- New Materials
- Electronics Design
- Supply Chain Management
- Radio Frequency Identification (RFID)
- IT Security
- Open Source Applications
- Problem-Based Learning (PBL) Research
- Interactive and Digital Media "Generator"
- Ergonomics and Ergogenics
- Youth Entrepreneurship



Warren Wang
Director, Technology Development

What's in it for the Industry?

Bridge the knowledge gap!

OTD takes a proactive approach towards bridging the gap between knowledge and application by facilitating technology transfer between RP and Industry. We can match the expertise and technologies residing in RP with the needs of large and small companies, RIs and other IHLs. We also provide services such as technology scanning, match-making with Industry and organizing Technology Series events.



Help to find R&D Funding

*Besides setting up opportunities for the Industry to collaborate with our TDCs on R&D efforts, OTD also assists in seeking project grants from our network of funding agencies such as SPRING Singapore and A*STAR. Furthermore, OTD has research funding database where we can access information on funding for collaborative R&D projects between IHLs and Industry and at the same time, identify the most appropriate type of funding for the projects.*

How is RP aligned with Singapore's direction for Research & Development?

In 2006, the National Research Foundation and the Research, Innovation and Enterprise Council were established to drive the transformation of Singapore into a knowledge-based economy. Investments in R&D in Singapore increased by more than half a billion dollars, to S\$4.58 billion in 2005, with the bulk of spending coming from the private sector. Innovation and R&D are important areas that will drive Singapore's growth: the Government plans to invest 3 percent of the nation's GDP (gross domestic product) a year in R&D by 2010, compared to 2.4 percent in 2005.

For FY 2007/2008 alone, the government expects to invest S\$2 billion in R&D.

An example of how highly Singapore is regarded internationally as a base for cutting-edge R&D is NEC's decision to build its first RFID Center outside of Japan. Even more pleasing is the fact that NEC chose Republic Polytechnic to be their partner in this venture. This decision by NEC is a strong endorsement of our efforts to position Singapore as the top location in the ASEAN region for RFID development and implementation.