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Headline: From smart cities to start-up hubs



AIMING HIGH

One milestone in Singapore's journey towards a smart city is Gardens by the Bay, with its stunning Supertrees. Looking, from within the Cloud Forest, at Singapore's skyline, the Marina Barrage or the city's new cruise terminal, one can only marvel at the determination of planners to turn the country into 'a great place to live, work and play', ST FILE PHOTO

From smart cities to start-up hubs

Singapore is on track towards being a successful start-up nation, but there are some hurdles to clear. By Thomas Menkhoff

Unlike other small countries whose economies are heavily dependent on just one or two sectors, Singapore started its diversification programmes early on the basis of a cluster-based development approach. A new cluster is currently in the making. Policymakers are determined to turn Singapore into a successful start-up nation as evidenced by the planned expansion of an existing start-up cluster (located in a 200-hectare science-cum-business park developed by JTC Corporation to attract R&D and high-tech firms in the biomedical, ICT and media industries) to be known as LaunchPad @ one-north, and an increasing number of venture capitalists.

ban sustainable development.

bridges within the Cloud Forest (one of two cooled conservatories) in the Bay

South Garden at Singapore's skyline, the

Marina Barrage built across the Marina

Channel or the city's new cruise terminal.

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N interesting element of the Singa-

city-state's transfor-

Three new Web businesses which have attracted investors include (i) restaurant reservation site Chope led by CEO Arrif Ziaudeen, who raised S\$1.1 million in 2011 from Innosight Ventures, a venture-capital firm, and angel investor Hian Goh, co-founder of Asia Food Channel (in 2013 it managed to raise another S\$3.2 million from a subsidiary of Singapore Press Holdings and some individual investors); (ii) online motoring portal sgCarMart (founded by Vincent Tan and Tan Jinglun), which was acquired by Singapore

Rakuten for an undisclosed sum that insiders believe is close to S\$300 million).

A big hurdle in sustaining Singapore's ambition to become one of the world's most innovative, smart cities is arguably its hierarchical culture. In The New York Times bestseller Start-Up Nation - The Sto-

Viki co-founded by American Razmig Hogapore's culture: initiative, risk-taking and is Internet advertising, which delivers ads which has more than 20 million users in success stories because of its adversity-smartphones. about 50 countries, was recently snapped driven culture which has created a fertile up by Japanese e-commerce giant ground for innovation and entrepreneuri-

While Singapore is shifting gears tothe fear of failure is still a barrier detering the only source of income generation). troduced recently (for instance, in higher AdWords and Adsense or Twitter, whose education) to nurture creativity, entrepre- main revenue source is also advertising ry of Israel's Economic Miracle, authors neurship and new ventures (Germany is are not 100 per cent future-proof. Weak Dan Senor and Saul Singer pointed out facing similar issues). A related challenge revenue models caused many new tech that (its growth story notwithstanding) faced by every new entrepreneur is to defirms to fold during the dot.com bust. "Singapore's leaders have failed to keep velop an innovative business model. Both Press Holdings for up to \$\$60 million in up in a world that puts a high premium on geeks and founders need to be well versed ly innovating the customer value proposi-

vaghimian and husband-and-wife team agility". They believe that Israel, on the to Internet users via Web sites, e-mail, Changseong Ho and Jiwon Moon (Viki, contrary, is full of vivid entrepreneurial ad-supported software, text messaging or

Website owners, for example, receive payouts based on the number of times a link on a Web page is clicked compared with the number of times it is displayed wards a less hierarchical societal system, (note: this can be risky, especially if it is many young Singaporeans from starting a
Even giants such as Google whose moncompany despite new policy measures in- ey-making foundation is advertising via

Making innovation work by successful-April 2013 and (iii) online video website a trio of attributes historically alien to Sin-in monetising skills. A popular approach tion can be learnt as indicated by the entrepreneurial journeys of Asian and West- vides a great new experience for customern innovators such as Harvard University ers with dirty clothes. The new service feagrad Tony Hsieh, CEO of online shoe and clothing e-shop Zappos, or Germany's grammable Bosch washers and dryers, susstart-up star Lars Hinrichs, the founder of tainably produced detergent products

duced a free usage tier for customers of its tise for the benefits of specific customer age amount as stipulated under the offer, commuters. Online charity Donor-(as practiced by Netflix, a subscription-based movie and television show rental service that offers media to subscribers via Internet streaming and via US mail); (3) affiliate marketing (payouts depend on whether customers click ads as well as the respective marketing formula which could be based on pay-per-click, pay-per-sale or pay-per-lead; note: if the majority of customers do not make a purchase or use affiliate links, the business may go bust); or (4) sense and respond strategies as pursued by many integrated resorts who track and followup on customers' online purchasing patterns via special rewards cards and game applications.

Leveraging on new innovation frameworks such as collaborative innovation, new social models or smart city technologies can help to create new successful business ventures. Wash & Coffee, a new laundromat and social gathering place with an integrated café in Munich (http://wash-coffee.com/) and Facebook presence (facebook.com/washcoffee), pro-

tures clean designs, energy efficient pro-Xing, a platform for business networking. from Henkel (Persil brand) and entertain-Proven revenue-generating business ment. It's a successful example of the powapproaches include (1) freemium (Ama- er of collaborative innovation between zon Web Services, for example, intro- two big firms who combined their expercloud services: if they exceed the free usstandard charges apply); (2) subscription sChoose.org (US) enables contributors to select and financially support a particular school project (initiated by educators) listed on its website.

According to FastCompany, DonorsChoose.org has raised US\$225 million from more than one million citizen philanthropists since it was established by Charles Best in 2000 for the benefit of more than 175,000 teachers, some 400,000 class projects and about 10 million students, "Sin Cities", too, can benefit from innovative entrepreneurship in their quest to become smarter, Zappos CEO Tony Hsieh is currently investing US\$350 million into the makeover of Downtown Las Vegas aimed at creating a new tech hub propelled by a creative class of techies, artists and new businesses such as a community car-sharing venture.

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