The Rise of the Reconfigurable Robots: SUTD Initiatives

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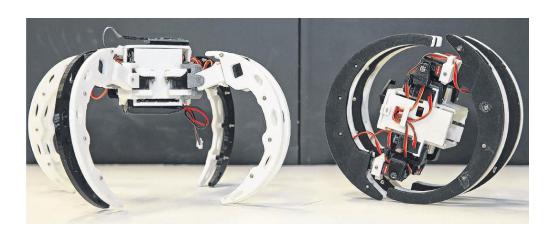
This research is catalyzed by the National Robotics Programme and administered by the Agency for Science,

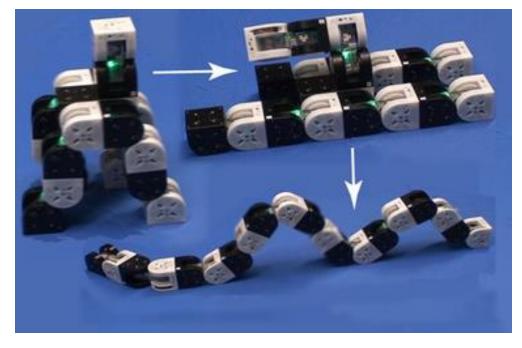
Technology and Research, August 2017 - Present.



Reconfigurable Robotics

Reconfigurable robots possesses ability to autonomously change their shape and adapt optimally to the specific task or environment.





hTetro : Reconfigurable Floor Cleaning Robot



sTetro : Reconfigurable Staircase Cleaning Robot



Vertical Cleaning and Maintenance robot



Panthera: Reconfigurable robot for Pavement Cleaning



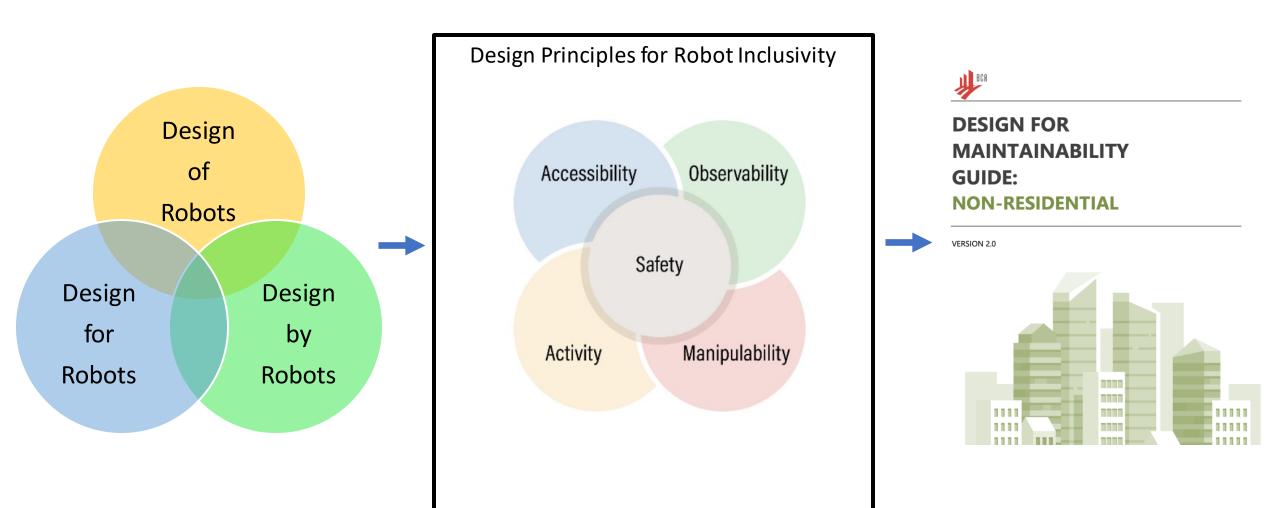
Wasp: Nested Reconfigurable Robot



Scorpio:Bio-inspired Reconfigurable Crawling, rolling, wall climbing robot



Robot Ergonomics Initiative



Pilot Partners































































































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Thankyou