



## TOWARDS SUSTAINABLE AND CLIMATE-RESILIENT CITIES

[www.cleanenviros Summit.sg](http://www.cleanenviros Summit.sg)

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### Announcement

Given the ongoing COVID-19 pandemic and global travel restrictions, the CleanEnviro Summit Singapore (CESG), World Cities Summit (WCS) and Singapore International Water Week (SIWW), will take on different formats this year, to safeguard the safety and well-being of our participants.

CESG will be organising a smaller scale CESG Catalyst in 2021, a one-day leadership conference targeting local C-suite attendees.

CESG, together with WCS and SIWW, will be held from 17 to 21 April 2022, at the Sands Expo and Convention Centre in Singapore, subject to prevailing COVID-19 guidelines. Details will be announced as soon as the event programme and format are finalised.

### Working with COBOTS to Fight COVID-19

*LionsBot International, one of our founding sponsors, shares their expertise in integrating robotics into the cleaning industry.*

Given their ability to interact directly with human beings in a shared space, collaborative robots (COBOTS) are becoming a mainstay across a breadth of industries such as logistics, manufacturing, cleaning, healthcare and space exploration. Businesses employ COBOTS to execute tedious and repetitive tasks with higher consistency and speed, while reducing occupational hazards at the same time.

COVID-19 has raised cleaning and hygiene standards. While new levels of environmental cleaning pose a challenge in Singapore's manpower-starved industry, COBOTS have effectively stepped in to ease this manpower issue. Today, waste-pulling COBOTS transport heavy rubbish loads between locations at Jewel, while cleaning COBOTS complement human teams by carrying out menial tasks such as daily floor scrubs; thus freeing humans for value-adding tasks such as detailed cleaning and wipe-downs. Cleaning COBOTS have assimilated well with fellow human crew, complementing the work that each does in keeping buildings across Singapore clean and sanitary.



Waste pulling COBOT, LeoPull, at Jewel



Cleaning COBOT, LeoScrub, doing its work

Read the full article: [COBOTS \(Collaborative Robot\) in the Cleaning Industry - LionsBot](#)

*This article is sponsored by LionsBot International.*

## Meet LionsBot International



LIONSBOT

LionsBot International is an award-winning Singapore deep tech start-up specialising in fully autonomous cleaning robots. Founded in 2018, LionsBot has introduced a family of six cleaning, waste pulling and disinfection robots, all working on the same cloud/app eco-system. LionsBot robots are all designed and manufactured in Singapore, and exported internationally.

LionsBot's cleaning and disinfecting robots are widely used in Singapore's shopping malls, performance centres, commercial offices, government buildings, universities, supermarkets, hospitals, nursing homes, factories, casinos, on transportation and more... truly *robots people love!*



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# ENVISION lite

Building a Clean & Sustainable Environment

The e-Newsletter, ENVISION lite, complements NEA's biannual technical magazine, ENVISION, by providing bite-sized articles with additional perspectives, insights, focus and storylines on current environmental news and developments which are of interest to NEA's stakeholders and communities.

Read the latest issue [here](#).

## Join Us

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Sponsoring the CleanEnviro Summit Singapore provides opportunities to profile your company's thought leadership, and raise your company's visibility and commitment to the environmental sector.

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Join as an

### Exhibitor

City Solutions Singapore Expo is an integrated expo on environment, water and cities that allows exhibitors to showcase the latest innovations. It is jointly organised with the World Cities Summit and Singapore International Water Week.

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## Acknowledgements



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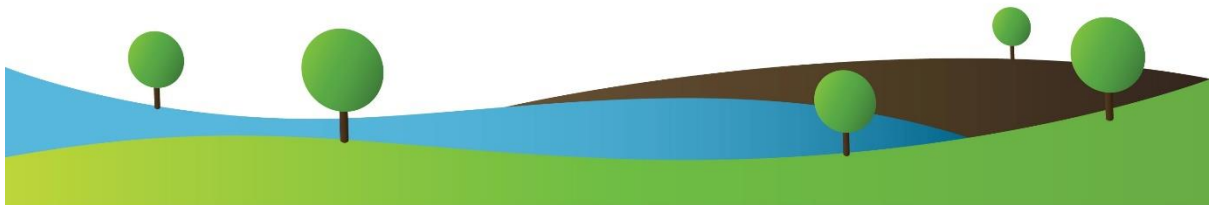
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