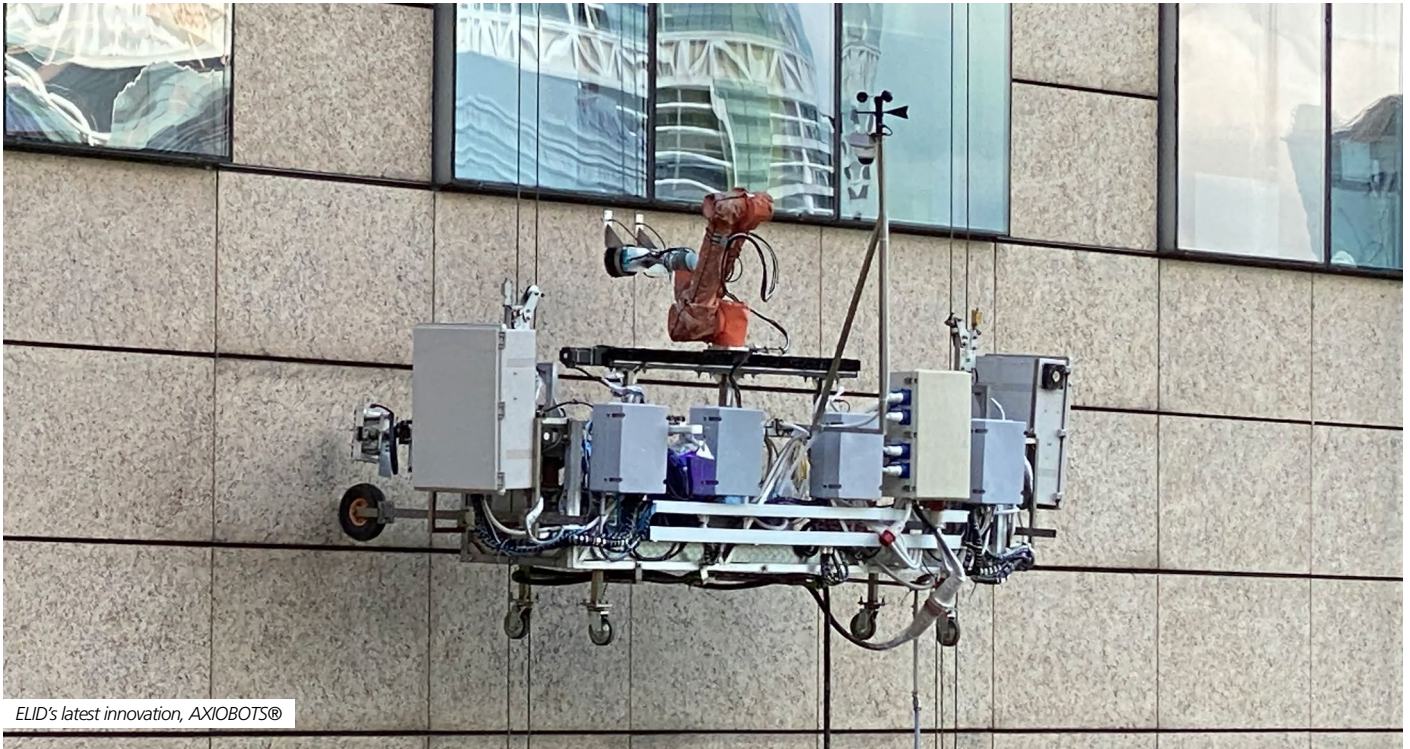


# ELID Technology International's AXIOBOTS® bags Made in Singapore – Automation Systems award

The robotic cleaning and painting system reduces manpower by 50% whilst reducing risks for façade cleaning work.



ELID's latest innovation, AXIOBOTS®

Elid Technology International Pte Ltd has won the Made In Singapore Award in the Automation System category by Singapore Business Review with its latest robotic innovation — AXIOBOTS®.

“We are deeply honored to have won this award on the first run and it has provided a significant milestone for AXIOBOTS® in its global marketing efforts,” said the firm.

Façade cleaning relates to working at height which in turn creates a general perception of ‘high risk’ work. It is intensively dependent on labour, with efficiency and safety in question on every deployment which is a vast concern of the Ministry of Manpower.

Elid Technology International Pte Ltd envisioned a quality and value for results façade painting and cleaning robot to address the above concerns. The development of a façade cleaning and painting robot faces many challenges as unlike ‘ground-moving’ robots, this robot will be deployed on the façade hanging in ‘mid-air’. Whilst emphasis was placed on quality of finishing (in terms of painting) and cleanliness, safety in deployment requires extensive research.

To protect AXIOBOTS® intellectual property, it was trademark and various patent applications were initiated to some 16 countries, namely, Singapore, USA, China, Hong Kong, Japan, Korea, the Gulf Cooperation Council and counting. AXIOBOTS® has received the Grant of Patent in Singapore, USA and China.

## **NO ONE CLEANING METHOD SUITS ALL FAÇADE**

Elid realises that ‘No One Cleaning Method Suits All Façade’. Thus, with these in mind, different cleaning processes have been developed to customise to different building facades so as not to affect the integrity of the façade as well as to assure cleanliness.

It was recently deployed for cleaning at a building that has not undergone any cleaning since its temporary occupation permit (TOP) six years ago. AXIOBOTS® cleaned the surface with agitation to remove stains in one cycle. Compared to conventional rope access façade cleaning, stains were still clearly visible after two rounds of cleaning.

AXIOBOTS® works via suspended platforms such as gondolas, building maintenance units, boom lifts and scissor lifts. It has been computed to increase productivity by >30%, reduces manpower requirements by 50% whilst eliminating risk of working at height.

ELID Technology International provides state-of-art security access equipment for some of the most prestigious projects in Singapore. Its products range from biometric and access control systems to CCTV surveillance and pedestrian gates.

Do contact Elid Technology International Pte Ltd for your façade needs and we will be glad to assist on your vision towards automation.

### **CONTACT**

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