

"Transformer" Exhibition Hall Wins The 2022 Gold Vector Award From igus

First prize goes to event space automated with e-chains

EAST PROVIDENCE, RHODE ISLAND, UNITED STATES, June 14, 2022 /EINPresswire.com/ -- igus®, a world leader in motion plastics and moving cable management systems, announced the winners of the 2022 vector awards on June 1 at Hannover Messe 2022. The golden vector award went to Hungarian firm Gepber Szinpad for an automated event space that transforms at the touch of a button.

igus holds the vector award competition every two years to recognize outstanding energy chain applications from all over the world. In addition to identifying gold, silver, and bronze award winners, the competition also recognizes sustainable applications with the green award. This year, a panel of judges drawn from industry, research, and specialist media evaluated a total of 232 entries from 36 countries before awarding top honors (worth €5,000) to the Gepber Szinpad project.

Built for the Hungexpo Congress and Exhibition Centre in Budapest, the automated hall's ability to change configuration reminded many of the well-known fictional robots who can instantly transform themselves into cars or



The winners of the 2022 vector awards were honored at the Hannover Messe. The golden vector award went to Gepber Szinpad of Hungary for their multifunctional hall automated with e-chains. (Source: igus GmbH)

trucks. The system's core consists of 43 mobile platforms with over 2,000 seats covering 1,800 square meters. The seat rows can assume 8 different formations, thanks to an electromechanical lifting device equipped with 3400 series e-chains® and energy and data cables from the chainflex® product range. A single operator can change the space from a theatre to an open ballroom--in just 8 minutes.

"This application shows in an impressive way how e-chains are used to put innovative automation ideas into practice," says Michael Blass, CEO of e-chain Systems at igus. "And we are delighted to present the prize again this year at the Hannover Messe, which is celebrating a sensational comeback this year."



The winners of the 2022 vector awards for innovative and unusual applications with energy chains were selected by an expert panel of judges. There were 233 entries from 36 countries. (Source: igus GmbH)

Competition entries from North America included:

SIA Solutions (Pittsburgh, PA) with their system of mats that can be lowered from ship to shore to protect the banks of the Mississippi River from erosion. The system's gantry cranes use chainflex series power and data cables from igus as well as energy chains of the igus E4 series (E4.32 and E4.56).

Alio Industries (Arvada, CO) with their Hybrid Hexapod that can position components to within 100 nanometers for laser processing and other micro-machining projects. The device uses e-chains of the e-skin flat (SKF 12) series from igus to meet the necessary cleanroom requirements.

Pillar Innovations (Grantsville, UT) with their Mix Bowl Transporter, a vehicle for transporting explosives within a factory that uses triflex® series energy chains (TRE.50.080.0).

Dickson Consultants (Lambton Shores, ON) with their Golf Lift, a device to assist golfers in traversing steep slopes. The system uses chainflex cables from igus and e-chains of the E4.1 series.

Detailed information about the competition, the award ceremony, and all entries can be found at <https://www.igus.com/info/2022-vector-awards>

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ABOUT IGUS:

igus GmbH develops and produces motion plastics. These self-lubricating, high-performance polymers improve technology and reduce costs wherever things move. In energy supplies, highly flexible cables, plain and linear bearings as well as lead screw technology made of tribo-polymers, igus is the worldwide market leader. The family-run company based in Cologne, Germany, is represented in 35 countries and employs 4,900 people across the globe. In 2021, igus generated a turnover of €961 million. Research in the industry's largest test laboratories constantly yields innovations and more security for users. 234,000 articles are available from stock and the service life can be calculated online. In recent years, the company has expanded by creating internal startups, for example ball bearings, robot drives, 3D printing, the RBTX platform for Lean Robotics and intelligent "smart plastics" for Industry 4.0. Among the most important environmental investments are the "chainge" program – recycling of used e-chains and the participation in an enterprise that produces oil from plastic waste.

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