

SIMULATION EDITION

CIO APPLICATIONS

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Top 10 Simulation Solution Providers - 2019

Company:

Simulocity

Key Person:

Dr. Manny Dominguez
Founder & CEO

Description:

Provides innovative simulation platforms that increase access to care, clinician & patient education

Website:

simulocity.us

When asked about success amidst failure, American inventor and businessman, Thomas Edison said, "I've not failed. I've just found 10,000 ways that won't work." Edison is one of the very few people whose endurance can keep up with this physical and mental undertaking. Today, with the advances in technology, a new breed of innovators are outsourcing this undertaking to computer simulations, changing the way leaders thought about business strategy. For long, design prototypes were physical objects; however, with the latest simulation technology, designs can be developed in CAD software, followed by which a 3D printer or a CDC router can create a replica in minutes. From the meals we eat and the decisions about energy efficiency in buildings to the military design missions to reduce traffic jams or managing personnel, the designs can be simulated.

Digital twins technology is being increasingly adopted by data scientists and IT professionals to run simulations before building and deploying actual devices. Moving beyond the scope of manufacturing, digital twins are merging technologies such as the Internet of Things, artificial intelligence and data analytics. With the demands of IoT and AI and the advent of digital twins, simulation solutions optimize their design process by linking with programs like CAD, CAE, and CAM, helping possibilities become even greater for operational efficiency. In healthcare, simulation-based medical training is gaining traction, whereby students and interns can learn through items or machines—instead of the patient. However, such increasingly sophisticated simulators and training aids are not just limited to healthcare—the entertainment, education and the corporate world are leveraging augmented reality and virtual reality-based simulations to develop immersive gaming and learning experiences.

To aid organizations on their mission to choose the right simulation solution provider, our illustrious selection panel comprising CEOs, CIOs, VCs, industry analysts, and the CIO Applications' editorial board have thoroughly analyzed the industry and recognized the key players.

We present to you, CIO Applications' "Top 10 Simulation Solution Providers - 2019".