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Telepresence Robots Market Shares, Strategies, and Forecasts, Worldwide, 2017 to 2023

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Abstracts

Worldwide Telepresence Robots markets are poised to achieve significant growth. People like mobility, they like remote communication and telepresence robots add a new dimension to remote communication.

The quality of remote communication is uplifted by the robotic platform approach to connecting people located in different places. The visualization provided by the telepresence robot is not reproducible by the smartphone and large telepresence systems are not mobile. So ultimately all people will want access to telepresence robots in order to move around and see for themselves what is going on in another place.

Clearly terrorism is here to stay. As nationalistic wars decline as a way to settle disputes, terrorism has emerged in spades. The recent terrorist attacks in Boston, Paris, and Belgium illustrate the risk that civilian populations are exposed to. Telepresence robots represent the best and perhaps last line of defense against terrorists. Telepresence robots can go where no man or woman can go, they can go safer, they can go faster, they can provide a presence that might not be achieved in any other way.

There are more civil uses for telepresence robots: in education, healthcare, business, and manufacturing. People can drive a telepresence robot around a work environment, around a school, around a hospital to reach people that they night otherwise have a difficult time contacting.

Remote telepresence healthcare diagnosis and treatment market is especially important for the treatment of stroke. Stroke damage can be mitigated if symptoms are treated within 4 hours of the onset of symptoms, otherwise the stroke damage is likely permanent. Global telehealth partnerships. The aim is to integrate diagnostic tools into

tele-stroke solutions.

Stroke occurs when a vessel in the brain ruptures or is blocked by a blood clot. There are two types of strokes: hemorrhagic and ischemic. An ischemic stroke occurs as a result of an obstruction within a blood vessel supplying blood to the brain, which accounts for 87% of all stroke cases. A hemorrhagic stroke occurs when a weakened blood vessel ruptures and spills blood into brain tissue. 800,000 people in the U.S. and 15 million people worldwide suffer a stroke each year.

These markets portend to be very large worldwide and represent good uses of telepresence. The ability of a clinician specialist to diagnose and initiate immediate treatment of a stroke from a gold course or other location is lifesaving.

Manufacturing and engineering telepresence robot uses are expected to proliferate. Monitoring and telepresence are being combined to achieve remote repairs that provide better customer services at lower cost.

Manufacturing and engineering resources for companies frequently are in different places. The same is true for IT, the software developer engineers and the software IT users are frequently located in different places. It is useful to have a mobile device that can be controlled by the engineer to go have a look around when a trouble call comes in from a site.

A remote telepresence device can use monitoring and telepresence to achieve remote repairs. The ability to integrate the remote physical location with the engineer who knows the system often involves travel, sometimes long arduous travel. Telepresence and mobile video telecommunications technologies can be very useful in postponing or eliminating the travel.

A mobile, real-time, 3D-hybrid telepresence system permits the user to go and have a look around and talk to different people about the problem without actually being there. Integration of telepresence images with computer generated virtual environments can be superimposed over the remote real worldview. This integrated system incorporates emerging mobile telecommunications technologies to give rapid and easy access to the real and virtual construction sites from arbitrary locations. This system allows remote surveillance of the construction site, and integration of real world images of the site with virtual reality representations, derived from planning models, for progress monitoring.

According to Susan Eustis, lead author of the study, “Use of the telepresence robot with

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the video and microphone capability to achieve remote presence is a vital aspect of personal mobility devices. Telepresence robots are poised to achieve a vital extension of electronic communication in ways that will become indispensable to everyone soon."

Telepresence robot device markets at $1.4 billion in 2016 are anticipated to reach $8 billion by 2023 as next generation robotic devices, systems, and instruments are introduced to manage remote presence. The robotic platform will be extended to include grippers and cameras of all types, sensors and sophisticated navigation software.

The complete report provides a comprehensive analysis including units sold, market value, forecasts, as well as a detailed competitive market shares and analysis of major players' success, challenges, and strategies in each segment and sub-segment. The report covers markets for security, law enforcement, manufacturing, healthcare, education, and business telepresence.

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