

**NUITEQ® and Rehabtronics provide
touchscreen rehabilitation solution to
Canadian hospital**

A CASE STUDY BY

NUITEQ®

SUMMARY

In today's fast-paced world, hospitals need effective and intuitive software solutions that can easily be used by their staff and at the same time it should help patients in their fight against various health conditions.

Faced with difficulties in the treatment of rehabilitation patients, the Glenrose Rehabilitation Hospital (GRH) in Edmonton, Canada got in touch with NUITEQ's partner, Rehabtronics, during the annual GRH Reverse Trade Show.

Rehabtronics developed the ReTouch device in collaboration with the hospital. The ReTouch is a large touchscreen system that is used for training and improving range of motion, upper limb strength, cognition, visual field, and balance. The device runs NUITEQ's Snowflake Entertainment software and it's currently helping patients recover through interactive touchscreen video games.



Snowflake*

THE CHALLENGE

Before Rehabtronics started its collaboration with the GRH, the latter was already developing a touchscreen system for rehabilitation together with a local university. This was in fact the first of its kind. While the created prototype was a success, the device was stationary and the need of a mobile device increased.

“We found that we still really needed that vertical movement and that ability to go from horizontal to vertical position, to progress the patients even better.”

said Quentin Ranson, a rehabilitation leader at the GRH.

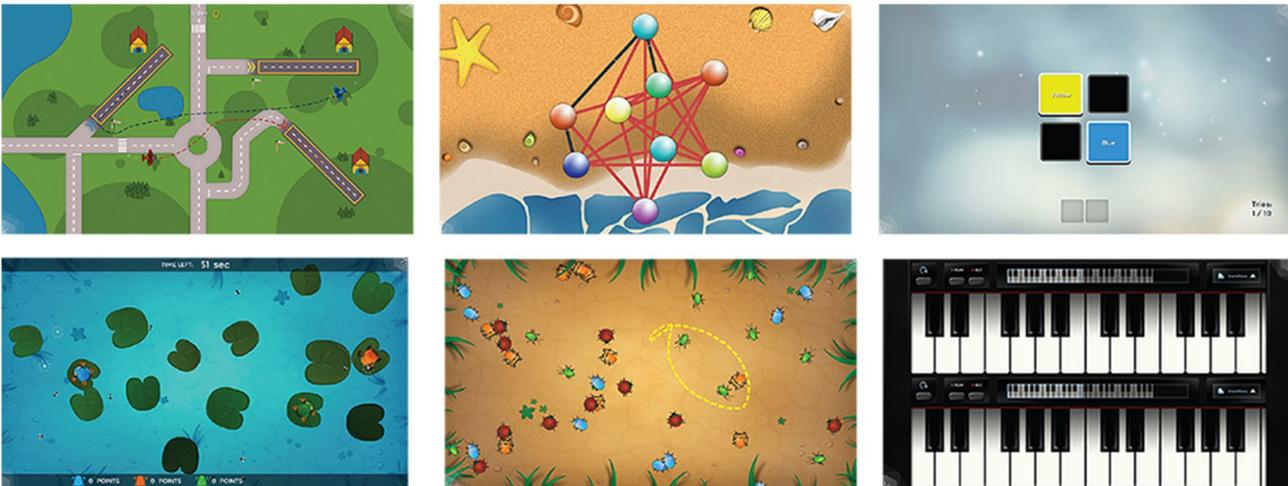


Rehabtronics saw the prototype device and was intrigued. They were the ones that could help the hospital to take it a step further and develop a non-stationary device.

THE SOLUTION



Rehabtronics and GRH collaborated in the development of a new device, that would be even better than the prototype for the patient's treatment. The ReTouch device was born; a multitouch, multi-user touchscreen that is adjustable horizontally as well as vertically, while supporting treatment and track patient's progress. The ReTouch is today considered to be the future of neurorehabilitation.



There are more than 20 games that patients can play on the ReTouch. The games are a part of Snowflake Entertainment, a software suite of touchscreen games, developed by NUI TEQ®.

"Snowflake is a good solution as it offers a wide variety of games, making it ideal for the ReTouch users. These games have many of the features we need in a rehabilitation type setting - they got patients moving their arms, reaching for things, moving objects, they were good for visual acuity and peripheral vision, puzzles were good for cognition, and so on. It is a good integrated and comprehensive software package that meets our needs."

says Rahul Samant, Rehabtronics CEO.

GRH's patients are thrilled to use the ReTouch in their treatment, because the games are captivating. The patients have spent a significant amount of time playing with the ReTouch device and Snowflake Entertainment software. They play and at the same time they exercise and strengthen their muscles.

RESULTS AND FUTURE PLANS

Rehabtronics has started selling the device throughout Canada. They now also start to explore international markets.

"A number of units have been sold in Hong Kong, for example. People really like the ReTouch as it is more engaging than competitive offerings.", says Rahul Samant, Rehabtronics CEO.

As for the benefits of choosing the Snowflake Entertainment software for the ReTouch device development, Rahul Samant adds:

"I don't think the ReTouch device would be a reality, if it wasn't for the Snowflake Entertainment software. It would be too onerous for us to develop such high-quality and entertaining games."

The collaboration between NUI TEQ® and Rehabtronics is a continuous one.

"For me personally healthcare and education are two of the most rewarding market verticals. I find it beautiful to see how our combined products offer a solution that solves a real problem and enhances people's lives. We are looking forward to see how the collaboration between Rehabtronics and NUI TEQ® will develop in this exciting niche market."

said NUI TEQ's CEO Harry van der Veen.



RETOUCH



ABOUT REHABTRONICS

At Rehabtronics it is believed that everyone, everywhere should have access to state-of-the-art therapy. Rehabtronics is a group with a passion for making state-of-the-art technology that is effective, intuitive, accessible, affordable, and easy-to-use. The team is dedicated to helping therapist and patients get access to the innovative and efficacy driven technology for recover.

For more information, visit www.blog.rehabtronics.com.



ABOUT NUIEQ®

NUIEQ® is a world leader in collaborative touchscreen software that enable natural interaction. The company is re-imagining and redefining entertainment, education & meeting room technology. Its software suite of collaborative games, Snowflake Entertainment, helps to attract audiences, engage with them and leave memorable impressions. The Snowflake software is used in over 70 countries. NUIEQ's vision is to empower people to socially engage with each other, through the use of technology.

For more information, visit www.nuiteq.com.

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