



Craig H. Neilsen Rehabilitation Hospital

INTRODUCTION

Offering the only Commission on Accreditation of Rehabilitation Facilities (CARF) accredited inpatient and outpatient rehabilitation program in Utah, the Craig H. Neilsen Rehabilitation Hospital is a 172,000-square-foot facility focused on reimagining, reinventing, and rebuilding what's possible. The state-of-the-art facility was carefully designed to offer a restorative and healing environment that helps improve patients' functionality and accelerates recovery.

"TOGETHER WITH CRESTRON, WE DELIVERED A CONTROL SYSTEM THAT ALL OUR PATIENTS FEEL COMFORTABLE USING. THEY NOW HAVE THE AUTONOMY AND INDEPENDENCE THAT IS TYPICALLY LOST IN A HOSPITAL SETTING."

Dr. Jeffrey Rosenbluth

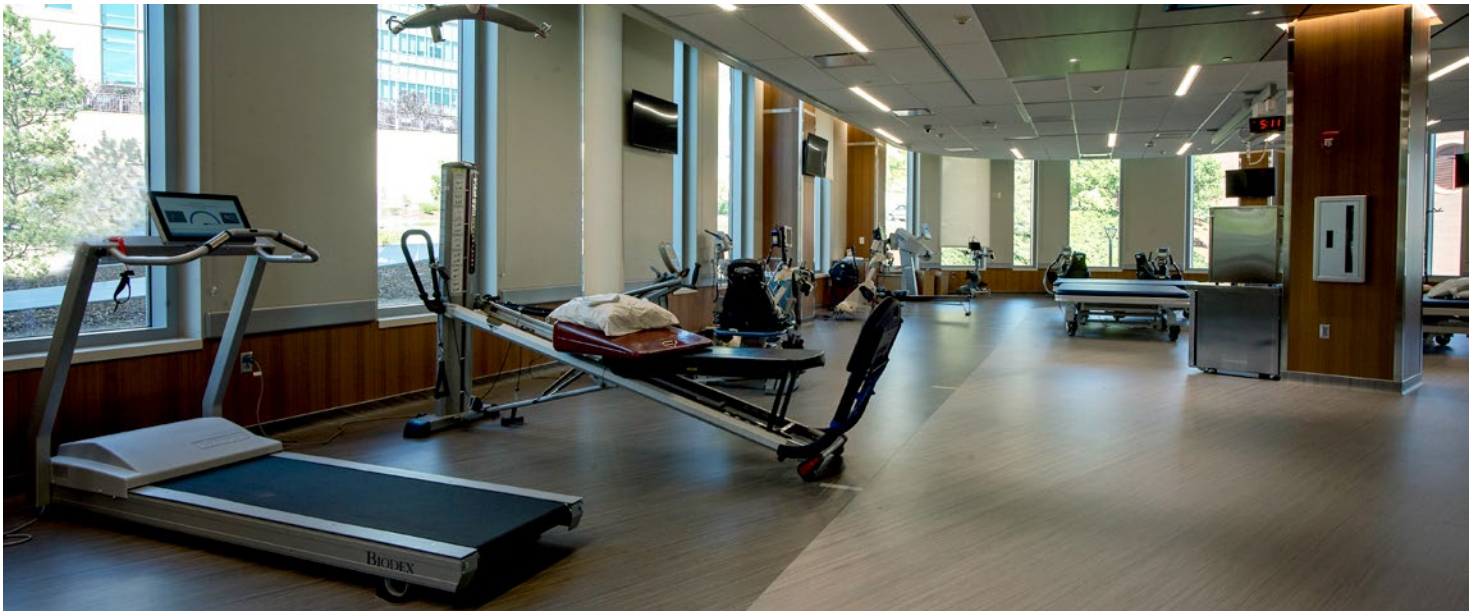
*Medical Director of the Spinal Cord Injury Acute Rehabilitation Program,
University of Utah Health Sciences Center*

THE CHALLENGE

Craig H. Neilsen Rehabilitation Hospital's mission is to preserve, enhance, and restore the quality of life for people with disabling medical conditions. In order to provide patients and staff with a simple way to control their environment, it was important for Dr. Rosenbluth, Medical Director at University of Utah Health Sciences Center, and his team to implement new technology solutions throughout the facility that would deliver the best possible experience.

"THE GOAL OF THIS PROJECT WAS TO PROVIDE SUPPORT AND THE BEST POSSIBLE EXPERIENCE FOR THE PATIENTS. OUR TEAMS WERE ABLE TO COME TOGETHER TO EQUIP OUR FACILITIES WITH A TRANSFORMATIVE CRESTRON SYSTEM THAT WILL SERVE AS A MODEL FOR FUTURE HEALTHCARE PROJECTS."

Carol Feldman
Principal,
BNA Consulting



THE SOLUTION

When treating patients with life altering injuries and conditions, the facility needed a sophisticated way to control their technology, with the ability to custom code applications to fit individualized needs. Working with BNA Consulting, the hospital created a customized program with a Crestron control system that can work through any input interface to give patients full control over their room.

THE TECHNOLOGY

Designed for optimal comfort, the Crestron control system at the hospital gives patients a greater sense of control, with the ability to adjust lighting, change their entertainment sources, and even alter the position of their door. The system is easy-to-use and features multiple avenues for control so that patients are able to select the method that is most comfortable for them. With Crestron, all controls in the room can now be handled manually, using voice commands, or with their breath through a series of sips and puffs. The Sip and Puff is an assistive technology that allows the breath of patients to signal the control system and manage the technology throughout the room.

Crestron offers patients full control of their room, with Crestron lighting and shading, as well as the nurse call function, HVAC, and more. Beyond basic room controls, each room also includes an illuminated smartboard that gives patients the ability to control illumination levels throughout the day.

Designed to deliver an immersive environment, the facility also includes a 900-square-foot assisted tech room that features Crestron DigitalMedia™ content distribution. The 98" display located on a movable wall can showcase various media sources and has the ability to route one large image or four separate images to the screen. The room is divided into two sides that are dedicated areas for research and innovation to better serve their patients. On one side, clinicians work with patients on home automation systems, wearable technology, and other interfaces. Meanwhile, the other side is reserved for the University staff to work on apps, web development, and other programming. A Crestron Surround Sound Processor is responsible for distributed audio in the space and a partition sensor indicates to the system to adjust the sound range according to the position of the divisible wall.



"WITH THE CRESTRON CONTROL SYSTEM, WE ARE ABLE TO SIMPLIFY ROOM CONTROL AND PROVIDE THEM WITH A HASSLE-FREE WAY TO ACCOMPLISH THEIR DAILY ROUTINES."

Dr. Jeffrey Rosenbluth
Medical Director of the Spinal Cord Injury Acute Rehabilitation Program, University of Utah Health Sciences Center



RESULTS

With Crestron, Craig H. Neilsen Rehabilitation Hospital is now equipped with an advanced system that is functional for their staff and empowers patients to accomplish more in their daily routines. "Our staff pushed for smart rooms in this new facility and Crestron helped deliver a system that impresses everyone who walks in," says Dr. Rosenbluth. "The feedback from our patients has been overwhelmingly positive, reaffirming that we did our due diligence and research to create the best possible design and experience for them."

Featured Products

64x64 DigitalMedia™ Switcher
DM-MD64X64

DIN Rail 3-Series® Automation Processor
DIN-AP3

**DigitalMedia 8G+® 4K60 4:4:4 HDR
Receiver and Room Controller with Scaler**
DM-RMC-4KZ-SCALER-C

10.1" Touch Screen
TSW-1060

Crestron Lighting

Crestron Shading

High-Definition 7.1 Surround Sound Processor
HD-XSP