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**Edition 89**

***Editor's Desk***

Dear friends,

“Knowledge is being aware of what you can do.

Wisdom is knowing when not to do it.”

-Anonymous

Happy Reading,

Regards

Bhavna Botta

<http://www.connectspecial.in/>

## Innovative Ideas

### Drive power wheelchairs using eye gaze commands

Ability Drive, developed by [Tolt Technologies](#) and co-founded by Tracy Beavers and her Husband Jay, is an innovative wheelchair-driving system that enables individuals with limited mobility to control and drive power wheelchairs using eye gaze commands. This technology offers increased independence and autonomy to its users.

Ability Drive connects power wheelchairs and AAC, such as the Grid Pad. This method distinguishes Ability Drive from its competitors, allowing individuals who have no movement or limited control over their movements to gain control over their power chair solely by using their eyes. Truly putting eye gaze users in the driving seat for the first time.

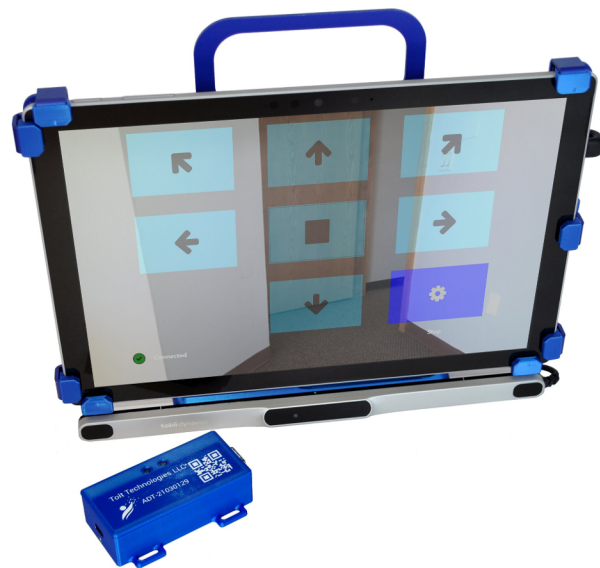
“Ability Drive is a unique drive control interface that uses the front-facing and rear cameras on an AAC device to allow users to select buttons that direct and points their wheelchair where they want to go. Ability Drive is the bridge between the power wheelchair and a person’s eye gaze enabled AAC like the Grid Pad.”

“For people who are unable to move, Ability Drive can be life-changing. Many people who can’t drive their power wheelchair can feel ‘stuck in a corner’.

For people with diseases like MND/ALS, being able to adjust their chairs for comfort is paramount. With Ability Drive individuals can make those adjustments themselves, leading to increased comfort and reducing the reliance on a caregiver.”

<https://www.tolt.tech/>

<https://youtu.be/Xyuqgd1HgPU>



Picture shows screenshot of the tab with arrows indicating the direction and a blue rectangular interface box

# The Next Generation of Assistive Devices for Hand Weakness

## **Fiber**

Fiber was designed to be a universal fit, meaning it can be configured for all Adult sizes and for the left or right hand. Hominid X is a Massachusetts-based company designing innovative assistive grasping tools



Picture shows a person wearing a fiber and holding a glass

Fiber is a truly versatile grasping tool. It was made sure to design it with the features that matter to users. The products fit both small, large, left, and right hands and have a minimal learning curve, allowing users to quickly grasp items. The products are made from silicone which is easy to clean and washable. It doesn't use electricity, setting them apart from robotic aids that require ongoing power maintenance.

<https://hominidx.com/>

## **Enabled Play**

A platform that helps anyone access and control their technology in ways that work for them.

Use voice commands, face expressions, body gestures, virtual buttons, tilt controls, third-party devices, and more to output keyboard, mouse, game controller, and macros to better control your programs, games, computers, and more.

Enabled Play helps people turn anything into a new input for their computers, game consoles, and more. Powered by offline, private, and personalized Artificial Intelligence and distributed services – all packed into affordable devices and apps.

<https://youtu.be/yHN701nXJKU>

## Tit Bits



“Singapore traffic light allows seniors/disabled to tap cards to add time to cross”

Picture shows a traffic light button in Singapore having an access to tap a card which allows seniors and disabled to add time to cross

<https://www.boredpanda.com>

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