Making the world a better place for everyone

FUTURA is a wheelchair that promotes inclusion in all aspects of daily life. It allows the user to regain daily activities considering various technical features, cost, and size limitations. FUTURA is designed to give confidence to the user.

Why FUTURA?

In a future not so far away, it would be beautiful to see people with all kinds of disabilities living a life no longer dominated by constant physical barriers, inaccessible stairs, bulky cars, expensive devices, and a dependency on a charged battery to move around. This inspired me to design an innovative wheelchair, FUTURA, that means the future. FUTURA is a wheelchair that promotes inclusion in all aspects of daily life. It allows the user to regain daily activities considering various technical features, cost, and size limitations. FUTURA is designed to give confidence to the user.

Intersection Between Manual and Power Wheelchair

FUTURA’s futuristic design is at the intersection between a manual wheelchair as well as a power wheelchair, providing the best of both worlds. FUTURA has two different parts: the motor and the chair itself, which allow the user to assemble or disassemble the system in a fraction of time for easy transportation and to fit it easily in any car.

No Assistance Required!

FUTURA allows power wheelchair users to be completely independent in their daily lives. A powered wheelchair allows a user to traverse around faster and more independently, but it is very heavy. Getting in and out of the car without assistance, loading the chair and the motor, and finally, driving the car safely in a manual wheelchair is much easier, but there is no motor in a manual wheelchair. To have the best of both worlds, the powered wheelchair component is removeable!

Unlimited Vehicle Choices

As of today, for long distances, the users of power wheelchairs need bulky vans with special modifications like ramps or lifts. FUTURA gives people affected by a disability, whether a driver or a passenger, an unlimited range of choices about which vehicle to use.
ARTIFICIAL INTELLIGENCE

Artificial intelligence, with its algorithm, gives a chance to someone with a serious medical condition, like someone who lost his hand or leg or can not see to use the autonomous driver and navigate with FUTURA in every corner of the world without fear. Everybody deserves to live a life that does not depend on a family member or caregiver. FUTURA has many AI camera sensors built into the wheelchair LIKE OF THOSE IN A SELF-DRIVING CAR to avoid obstacles and to ULTIMATELY GIVE A SENSE OF SECURITY TO THE USER.

FUTURA has an extra solar-powered battery with the panel located in the backrest to guarantee a daily full of autonomy.

A mechanism of standing position lets people in wheelchairs reach objects located at a certain height, like taking a book from a shelf or a utensil from a kitchen cabinet. This feature could improve self-esteem and confidence for people with disabilities.

The FUTURA wheelchair must be a tool that must not make the disabled person feel imprisoned in a cage and consequently face psychological and emotional distress but let him free to explore the world independently without barriers.
FUTURA = AI + MANUAL WHEELCHAIR + POWERED WHEELCHAIR + DRONE + SOLAR-POWERED

A - THE MANUAL WHEELCHAIR FRAME IS THE HUB OF FUTURA. IT CONTROLS ALL OF THE OTHER COMPONENTS USING AN AI CHIP BUILT INTO IT. IT RECOGNIZES WHAT THE USER NEEDS WHEN THE USER NEEDS IT. NO INPUT FROM THE USER IS REQUIRED!

B - REMOVABLE POWERED WHEELCHAIR COMPONENT ALLOWS USER TO OPERATE THE WHEELCHAIR IN A POWERED MODE! WHEELCHAIR CAN TRAVEL UP TO 30MPH WITH UNLIMITED RANGE, THANKS TO ITS SOLAR-POWERED BATTERY. THERE IS AN ON BUTTON AS WELL AS AN ACCELERATOR SWITCH. THERE ARE UP TO 10 DIFFERENT SPEED OPTIONS THAT THE USER CAN CHOOSE FROM, AS WELL AS AN AUTOMATIC MODE WHERE THE A.I. CAN DECIDE THE BEST SPEED!

C - THE HEAVY LIFT DRONES, CONTROLLED FROM THE MANUAL WHEELCHAIR FRAME, HAS THE ABILITY TO LIFT THE WHEELCHAIR AND UP TO 2000 POUNDS OF WEIGHT! THE DRONES ARE CHARGED USING THE SOLAR-POWERED SYSTEM.

D - SOLAR-POWERED WHEELCHAIR COMPONENT CHARGES ALL OF THE COMPONENTS OF THE WHEELCHAIR, INCLUDING THE AI SYSTEM FROM THE MAIN FRAME, THE DRONES, AS WELL AS THE MOTOR ITSELF. IT ALLOWS USER TO OPERATE THE WHEELCHAIR IN A POWERED MODE! WHEELCHAIR CAN TRAVEL UP TO 30MPH WITH UNLIMITED RANGE, THANKS TO THIS SPECIAL SOLAR-POWERED BATTERY.

NO BUTTONS/SWITCHES (EXCEPT FOR THE POWER BUTTON AND ACCELERATOR/BRAKES)