



neuron

The Electronic System
that saves time.

NEURON

SAVES

YOUR

MONEY

AND

YOUR

TIME.

Neuron is an innovative **electronic system for ambulance**, entirely designed and developed by MDPtech and **fully customizable on your needs and requirements.**



Installing Neuron on an ambulance
**reduce the time of each installation,
from 40% to 60%.**

We make this possible, by **customizing
the harness of your ambulance**
and make it **easy to install:**

Neuron Smart Harness is installable
in just 5 hours.

Save time, means save cost!

The benefit for your company
will be immediate and on
each ambulance produced.

-60%
-40%



neuron



By purchasing Neuron, **we supply everything you need** from the electrical side of your ambulances.

Everything comes in one box (harness; power units; display...) and you have nothing to do, beside installing them on the vehicle.



SMART HARNESS: customized on your specifications and needs, with Neuron characteristics, must be easy and fast to install. It will have connectors and cable length indicated by you;

DISPLAY: Control every service on the ambulance, every light, the air conditioning system from a modern touch-screen display. Integrated with 4G connections, allows to diagnose the vehicle via web too.

TACTILE KEYBOARD: customized in design specifically on your indication, this keyboard without physical buttons can be installed both in driver cabin and medical compartment, to control every lights; air conditioning system and functions present on the vehicle.

POWER UNIT MODULES: small power units, with plug-&-play technology, these are fast to install and do not need any configuration or action from your side;

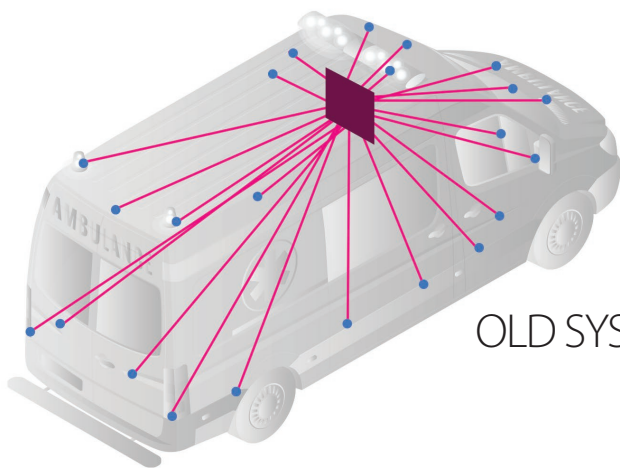
WEBSITE: to diagnose and verify the status of each Ambulance on the road.

**Your service will be faster
for your customer and cheaper for you.**

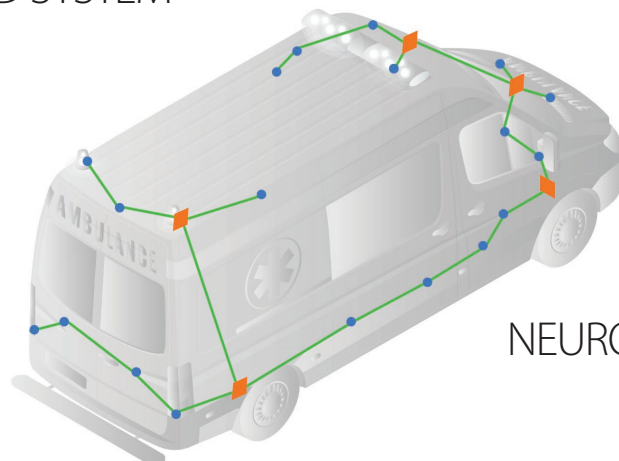
SMART HARNESS: Neuron Smart Harness is designed specifically on manufacturer requirements and specifications.

The propose of this tool is to be **fast and easy to install:** manufacturer does not have to do nothing apart from installing it on the ambulance.

- **Connection to vehicle battery**
- **Power supply to each Power Unit Modules**
- **Connection to each vehicle functions; lights; tool.**



OLD SYSTEM



NEURON SYSTEM

DISPLAY & TACTILE KEYBOARD:



DISPLAY

Touch screen display, fully personalized with manufacturer logo and colors, is a modern tool which offers the possibility to manage air conditioning system, every light, every service, every instrument present on the ambulance and connected to Neuron system via wire or via Bluetooth.



TACTILE KEYBOARD

Alternatively there can be installed in driver cabin (and/or in medical compartment) a touch panel - no physical buttons - to control and manage the mentioned functions.

POWER UNIT MODULES:

Neuron will contain multiple power units, located in different places of the vehicle: Power unit modules can control up to 8 outputs and 7 Amp on each output. In case more power is needed, two or more outputs can be combined together to reach the desired value.

One power unit is connected to read all the data running on the CANbus line of the vehicle. This data are sent to Neuron system: there is no manufacturer intervention on the vehicle.

Hardware technical informations:

- **9-32 Vdc Power supply;**
- **Bluetooth Low Energy interface;**
- **n°8 positive outputs, up to 7 Amp each output;**
- **n°8 negative outputs, up to 6 Amp each output;**
- **n°1 motor 200 W on 12/24 Vdc control;**
- **n°6 digital inputs (can be programmed via software in positive or in negative);**
- **n°4 analog inputs (can be programmed 3 different value rate via software);**



DIAGNOSTIC APP AND WEBSITE:

We offer an APP, included in the Touchscreen Display, to diagnose the Neuron System, directly from the vehicle or via website.

This means that you can guarantee a **faster service to your customers**, no matter where they are located, in a **cheaper way for your company**.

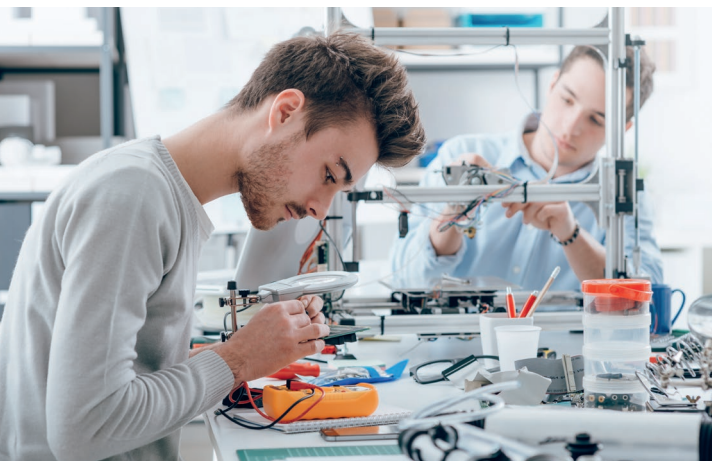


NEURON IS A BRAND OF



WE ARE EVERYWHERE

Many other manufacturer on the market are installing Neuron since **three years**, taking advantage from the economical and technical benefits of this electronic system.



WE ARE PREPARED

Dedicated Team for designing Neuron System on manufacturer requirements, making and adjusting the first prototype and first installation.



INNOVATIONS FOCUSED (R&D)

MDPtech invests 15% annually in research and development.

15%

neuron



CONTACT US

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