



First responders

## Case Study

### EMS & First Responders

The North East Wisconsin Regional Trauma Advisory Council (NEWRTAC) is focused on injury prevention, reducing the severity of injuries and decreasing of deaths. Their objective is to optimize the quality of care and outcomes for all trauma patients.

In the summer of 2016, NEWRTAC began a new initiative, to develop and implement a standard for internet connectivity and data communications equipment to be rolled out for all EMS vehicles in northeast Wisconsin.

NEWRTAC had several challenges that needed to be addressed before under taking this new initiative. First, they needed to find out what cellular hardware they could use for internet connectivity that would work for inside the vehicles. Next, they needed to find devices that could be easily be taken in the field, in the event that required data communications to be used outside of the vehicle. Lastly, they needed to make sure that where the vehicles traveled, that they would have the best cellular coverage for internet connectivity possible.

Being established since 1987 and having a reputation for great coverage, NEWRTAC looked to Cellcom to be able to assist with this undertaking. Cellcom also had the cellular hardware NEWRTAC needed for in-vehicle and in-the field data connectivity.

Using mobile broadband devices from Cradlepoint along with roof mounted cellular antennas, EMS vehicles were able to receive exceptional cellular coverage. Also using cellular embedded tablets and laptops, first responders were able to take the devices with when needed in the field and use the cloud applications they need to assist with patients.

By having the internet connectivity NEWRTAC needed, they are now able to optimize the quality of service they provide trauma patients. First responders are also able to use medical applications on their tablets and laptops to be able to better communicate with patients arriving at medical facilities.

NEW RTAC Website: [www.newrtac.org](http://www.newrtac.org)

#### Equipment Used:

- Cradlepoint IBR1 100
- Roof Mounted Cellular Antennas
- Cradlepoint Cloud Services
- Cellular Embedded Tablets and Laptop's
- Tablet/Laptop Vehicle Mounts
- EMS Mobile Application

