

## Near Field Solutions and HeartSafe:

### Working together to help save lives

Technology created by Near Field Solutions is boosting the performance of life-saving equipment across the country, and helping to save hundreds of thousands of pounds a year for the UK's Ambulance Services.

Near Field Solutions has formed a pioneering partnership with HeartSafe® AED Locator. HeartSafe's Public Access Defibrillators cabinets enable communities to gain access to Automated External Defibrillators (AEDs) in the quickest time possible in the event of a sudden cardiac arrest.

With sudden cardiac arrest taking the lives of 250 people a day in the UK, and defibrillation the only treatment, ensuring that HeartSafe's community defibrillators are accessible and well maintained is critical.



Each HeartSafe defibrillator unit is linked to the local Ambulance Service or Trust and monitored regularly by a volunteer guardian. But with the defibrillators located in varied rural locations around the UK and requiring fortnightly checks, gaining and maintaining consistent data about how well they are working can be a challenge.

Near Field Solutions is helping HeartSafe to address these issues through its Attentii system which harnesses Near Field Communication (NFC) technology to improve the consistency and quality of regular and routine tasks. Each HeartSafe defibrillator unit has been fitted with an NFC tag. Each time a guardian taps a tag with their mobile phone, Attentii records the interaction, capturing the time and date, the location and who performed the operation. The Attentii system can display all this information in a simple and clear way and can be viewed on any PC, Mac or Tablet with an internet connection and an internet browser.

The new system allows the guardians to complete their fortnightly checks and update the HeartSafe system more easily and effectively. As HeartSafe's Clive Setter explains, Attentii is helping to reduce the inconsistencies and risks associated with a paper-based system involving different people across a wide range of locations. While the project is still in Beta phase, it is already providing significant benefits. HeartSafe has seen a tenfold increase in the number of weekly reports since implementing the mobile system in September 2015, and now consolidates and reports checks from over 1,000 AED locations to all UK Ambulance Services using the system. The Attentii alert system is keeping over 90% of the guardians on time with their checks. Clive Setter adds:

*"We've had very positive feedback from the guardians using the Attentii system. HeartSafe leads the way in providing Public Access Defibrillators and in the use of technology to improve AED governance. Smartphone users find it very convenient and quick to use. Incorporating Attentii allows us achieve a much higher level of governance, giving our*



*system and the data that it provides even more credibility with the Ambulance Services. With all the guardians reporting into one system, we can now identify and rectify problems much more quickly. We also have a more accurate view of where and when checks are being done and where they're not, as well as a much more consistent overall picture of the state of the HeartSafe defibrillator network across the country."*

The partnership has the potential to help improve UK survival rates for cardiac arrest which currently cause 250 deaths a day.

Glenn Needham, Director of Near Field Solutions, comments:

*"Attentii was created to improve the consistency and quality of regular and routine tasks for industries as varied as domiciliary care and agriculture. Where routine checks undertaken by a number of people is essential to an organisation, this technology can make a significant difference to both quality and compliance. Through this partnership, Attentii is helping to make the HeartSafe system even better."*

#### **The benefits:**

**More accurate system and unit data:** The Attentii technology allows HeartSafe to maintain and gather a higher quality of data on the use and state of the defibrillators, as well as specific contact data for the guardians, improving communication with them. Being able to click directly from the report to generate an email to the person who completed it also reduces response times.

**Enhanced compliance:** More accurate data and reporting allows HeartSafe to better meet its governance responsibilities to the Ambulance Service.

**More intelligent:** With more easily accessible and consistent information provided through Attentii, HeartSafe can now identify and rectify problems much more quickly. Because the system can be used anywhere, it also reduces the risks associated with human error.

**Fully customisable:** Attentii can be continually fine-tuned and updated to enhance the benefits for HeartSafe.

**Increased support for users:** With features like alerts, notes and image uploads, Attentii makes the job of the HeartSafe guardians easier and improves the quality of the entire network.

**Improved traceability:** The Attentii system allows HeartSafe to quickly view who uses the system and to respond to queries and issues in real time.

**For more information about Attentii, visit: <http://attentii.co.uk/>**

**For more information about HeartSafe®, visit: <http://www.heartsafe.org.uk/>**