



CASE STUDY

EleGARD™ SYSTEM



THE OPPORTUNITY

CPR is only successful in 6-10% of sudden cardiac arrest cases. AdvancedCPR Solutions® (ACS) wanted to change that by introducing a breakthrough new technique called ElevatedCPR that aimed to drastically improve survival rates and create a new standard of care for cardiac arrest.

THE SOLUTION

ACS partnered with ERI Group to engineer a new CPR patient positioning system. The concept prototype was based on research which showed that a 30-40° elevation of a patient's head and thorax when applying CPR during sudden cardiac arrest cases increases the success rate by a factor of four. The team utilized an integrated approach – from product development, quality, regulatory and manufacturing – to bring this groundbreaking device to reality.

THE RESULT

ERI Group designed and manufactured the EleGARD CPR Patient Positioning System using a human factors design approach to assure that wide variations in human anatomy were taken into account. ACS began shipping the product in 2019, potentially improving survival outcomes from sudden cardiac arrest - a leading cause of death in the US and Europe of adults over 40 years of age.

SERVICES

- Engineering
- Regulatory Strategy
- Manufacturing
- Protocol Study
- Testing + Analysis

LET'S CONNECT



www.ERIGroup.com



info@ERIGroup.com

