



# STEMRAD<sup>®</sup>

## Protecting Heroes on Earth and Beyond

StemRad's technology is the first to offer meaningful protection from harmful radiation. Our wearable solutions are making the lives of first-responders, military personnel and astronauts safer without compromising mission objectives. By selectively shielding stem cells, our technology provides the user with potentially life-saving protection from harmful radiation while maintaining the mobility and comfort required to perform critical tasks.



Patent Pending



Regulatory Approval



Scientifically Approved



PPE Compatible




360°

ASTRORAD



In Collaboration with  
LOCKHEED MARTIN



 First Responders




 Military Forces



 Astronauts



 Nuclear Industry

When exposed to high-levels of gamma radiation, the immediate concern to individuals is that of Acute Radiation Syndrome (ARS), also referred to as radiation sickness. In such cases, damage to the body's bone marrow leads to fatal aplastic anemia, the hallmark of which is a severe lack of red blood cells, white blood cells and platelets. The pelvic bones contain the body's largest concentration of bone marrow, so protecting them from the harmful effects of gamma radiation is crucial. The StemRad 360 Gamma is worn around the pelvic area, affording highly effective protection to the body's "life factory." In situations of exposure to high doses of gamma radiation this could mean the difference between life and death.



**100% Fire-resistant**  
100% rust-proof  
100% durable



**Effective against Cs-137**  
Effective against lethal radioisotopes



**PPE Compatibility**  
Compatible with PPE used by disaster response professionals



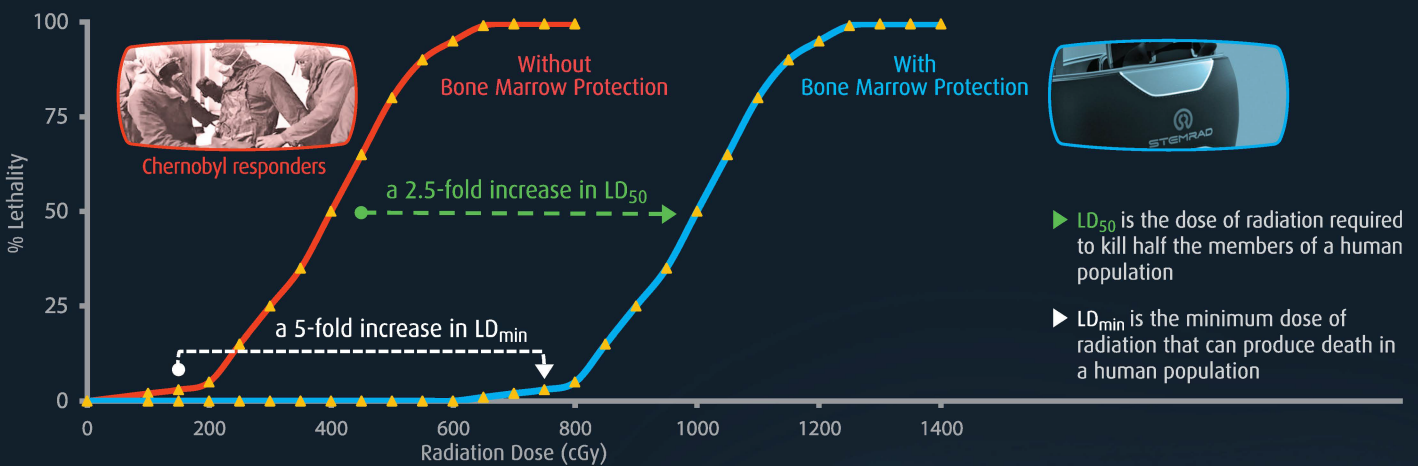
**Full Mobility**  
Positioned on the body's center of gravity



**Ergonomic**  
Designed for optimal support and maximal comfort



### Bone Marrow Selective Shielding: A True Life Saver when it Comes to Radiation



### Highly Complex Design Selectively Protects Bone Marrow

- By sparing a sufficient volume of the wearer's bone marrow, the 360 Gamma enables the body to perform its crucial life-saving regenerative biological processes post-exposure.
- Groundbreaking internal structure ensures optimal protection while minimizing weight. The 360 Gamma accounts for pelvic bone marrow depth and the natural attenuation properties of human tissue.

