



Contact: Czes Golkowski

Tel: 607 272 1251

Location: Ithaca, NY

Website: Super-pulse.com

Email: cg18@cornell.edu



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health



National Institutes of Health Commercialization Assistance Program
(NIH-CAP)

Company Profile

Industry Sector: Medical Devices

Company Overview: Super Pulse is a research company that utilizes free radicals for sterilization/disinfection/decontamination purposes. The company has developed its own advanced free radical source that can be utilized in a wide variety of health care, military and industrial environments.

Target Market(s): Hospitals, health care facilities, military field hospitals, medical, veterinary and pharmaceuticals research facilities.

Key Value Drivers

Technology*: The use of our free radical source based on non-thermal plasma introduces very innovative chemistry into the sterilization/decontamination/sanitization industry and does not produce any unsafe byproducts or require high temperature. The only byproducts are water (H₂O) and carbon dioxide (CO₂). The source generates copious free radicals, which attack the microorganism's membranes by breaking bonds and effectively "burning" (oxidizing) the microorganism at an ambient temperature.

Competitive Advantage: The developed free radical source utilizes the advantages of Ozone, Hydrogen Peroxide and Non-Thermal Plasma processes while avoiding limiting factors of these technologies. Flexibility of the system developed by Super-Pulse is clearly advantageous over other mentioned systems.

Plan & Strategy: Seeking a strategic partner and/or investor

*Technology funded by *NIDCR* and being commercialized under the NIH-CAP

Management

Leadership:

Czes Golkowski, President and Founder
Mark Golkowski, Strategy Officer

Scientific Advisory Board:

Anthony Hay, PhD. Professor of Microbiology at Cornell University
David Collum, PhD. Professor of Chemistry at Cornell University
Brad Anton, PhD. Professor of Chemical Engineering at Cornell University
Piskorowski Joseph, DDS Dentist, practitioner

Product Pipeline

