

Company Profile

Industry Sector: Biosensors

Company Overview: Centice Corporation creates and delivers advanced technology solutions to select markets in healthcare, biotechnology, pharmaceutical manufacturing and homeland security. By leveraging an expertise in applied coded aperture spectroscopy, and computational sensors Centice provides technologies and integration expertise that improves lives and protects people's lifestyles. Centice's scientists and engineering teams work with a network of partners to answer emerging business and public service needs.

Target Markets: Biotech, Pharmaceutical, Homeland Security

Management **Prasant**

Potuluri, Founder & CEO PhD –
Duke University, MBA,
12 years experience

Brett Guenther, V.P. Engineering
PhD- Penn State,
20 years experience

Rob McLaughlin, CFO
B.S.- Arizona State
20 years experience

Key Value Drivers

Technology: Delivered as Coded Aperture Raman Spectroscopy, the core technology provides unparalleled throughput, reliability and cost efficiencies in applied systems. Specifically in POC immunoassay readers, the large field of view coupled with reliable and consistent spectral acquisition enables high resolution multiple biomarker reading/analysis in significantly reduced time.

Competitive Advantage: A coded mask for Raman Spectroscopy supports lower cost laser design, higher repeatability within and between device measurements, overcomes the limitations of fluorescence markers and brings to POC biomarker readers lab quality performance in a mobile configuration. Advantages of Raman detection over Fluorescence detection apply.

Plan & Strategy: Seeking partners to bring a completed solution to market or seeking SERS partners to commercialize

Product Development

Patents: Coded Aperture Raman Spectroscopy exclusively licensed from Duke University

Product Design: Prototype created and demonstrated with SERS partner and tested against measurement of 4 cardiac biomarkers. Results yielded reliable reading of quantity of all 4 markers in single immunoassay strip. Designed as POC device to be used in EMS, first responder and office environments. Volume manufacturing capability in U.S.

Product Road Map: Prototype used 785nm Raman but is adaptable to 1064nm for greater biotech application coverage and increased competitive differentiation against fluorescence solutions