



<b>COMPANY BACKGROUND</b>		<b>CORE COMPETENCIES</b>	
<b>Founded</b>	1978	<b>R&amp;D Engineering Services</b>	Renowned optical phenomenology and opto, mechanical and electrical engineer team will measure, study, analyze and develop customized solutions for specific applications.
<b>Headquarters</b>	San Diego, CA		
<b>Expertise</b>	Characterization and utilization of material surface optical properties through measurement, analysis and development of coatings to modify, instruments to measure, and imaging systems to detect, an object's unique optical properties.	<b>Spectral Imaging System Development</b>	Core expertise in Video Rate Multispectral (patented), Hyperspectral and Very High Speed Dual and Quad-Band Imaging Systems in the UV through LWIR spectral regions.
	Capabilities include custom coatings and pigments for thermal and signature control, precision optical measurement services, reflectometers, multi & hyperspectral imaging systems.		
<b>Management</b>	Jonathan Dummer – CEO	<b>Vacuum Deposited Coatings and Pigments</b>	Development and application of coatings for thermal and signature control. Design of production of spectrally tailored pigments. One and three meter coatings chambers for large objects. Unique Roll-to-Roll, high volume coatings capability.
	Mark Dombrowski – CTO		
	Marian K. Geremia – CFO	<b>Surface Optical Properties Characterization</b>	Fully equipped optical properties measurement lab with devices characterization of the BRDF, HDR and emissivity of materials from 0.3 to 40 microns. Commercial line of field-portable equipment to fully characterize surface scattering from 0.4 μm to 12 μm.
	Dr. James Jafolla – Division Head, Research & Development		
	Dr. Martin Szczesniak – Division Head, Industrial Spectroscopy		
<b>REPRESENTATIVE WORK</b>		<b>CUSTOMERS</b>	
<p><b>Automated target acquisition of weapons, personnel, and vehicles</b> U.S. Army's Project Manager Soldier Weapons program demonstrated Surface Optics Corporation's (SOC) real-time imaging technology at their Hyper Spectral/Multi Spectral (MSI) Technology Advancement Industry Day on October 24-25, 2016 at Picatinny Arsenal. The MSI Camera has been designed to interface with the current M153 Common Remotely Operated Weapon Station (CROWS)</p>		<ul style="list-style-type: none"> <li>• DOD</li> <li>• NASA</li> <li>• Oil &amp; Gas Industry</li> <li>• Solar Energy Industry</li> <li>• Multiple Research Institutions</li> </ul>	
<p><b>Full-Motion Video Spectral Imager (FMV-SI) Aboard U.S. Navy 4th Fleet Airship</b> SOC's FMV-SI combines the real-time, situational awareness provided by full-motion video with the spectral intelligence that aids in the detection, ID and management of targets based on their inherent signature. Utilizing a smaller number of spectral bands (16), than conventional HSI, FMV-SI can acquire and process identifying target signatures in a single frame of spectral video.</p>			
<p><b>Remote Sensing of Agriculture to Detect Arsenic Contamination</b> Texas A&amp;M University has demonstrated the efficacy of employing close-range, hyperspectral imaging via a SOC's SOC710-VP HS-Portable Spectral Imaging System to detect harmful toxins including arsenic</p>			