MILITARY INSTALLATION OF THE FUTURE

Military installations are the fundamental backbone of the U.S. Department of Defense (DoD). While smart, secure, and energy-efficient technologies are slowly being put into use on military bases, there will continually be significant new and evolving security, operational, resiliency, and economic benefits on the horizon. In response to this challenge, Vectrus created the Vectrus Resiliency Program Initiative™ (VRPI). This strategic corporate initiative was created to bring integrated, innovative, smart, 5G, security, and energy-efficient technologies and capabilities to many of the new challenges and changes that will have National Security implications to the DoD. We firmly believe that Deputy Assistant Secretary of the Army, Strategic Integration Mr. Richard G. Kidd, IV said it best: "Tomorrow's installations can't be designed using yesterday's reflection." Our VRPI initiative ensures the military Installation of the Future has direct benefits to the warfighter. Vectrus' VRPI is being led by Cori Minton-Package, Vectrus Senior Vice President of Operational Technology and Enterprise; an advanced technologies organization that combines engineering and digital integration programs with selected solutions and business partners.

VECTRUS CAPABILITY STATEMENT AND INSTALLATION OF THE FUTURE VISION

Vectrus is a publicly traded company (VEC), with 2020 revenues of $1.4B. We are headquartered in Colorado Springs, Colorado, with offices in Northern Virginia, the operations hub for our Operational Technology and Enterprise Vectrus team. Vectrus has more than 9,000 employees, with more than 40% of our employees being veterans, spanning 206 locations in 27 countries operating in a wide range of conditions, from modern technologically advanced areas to austere contingency-based locations. Primary geographic areas of operation currently include the Middle East (Kuwait, Qatar, and Bahrain), Central Asia (Afghanistan), Asia (Japan and Korea), Europe (Germany, the United Kingdom, Turkey, Italy, Spain, Greenland, and Romania), and the United States (see Figure 1).

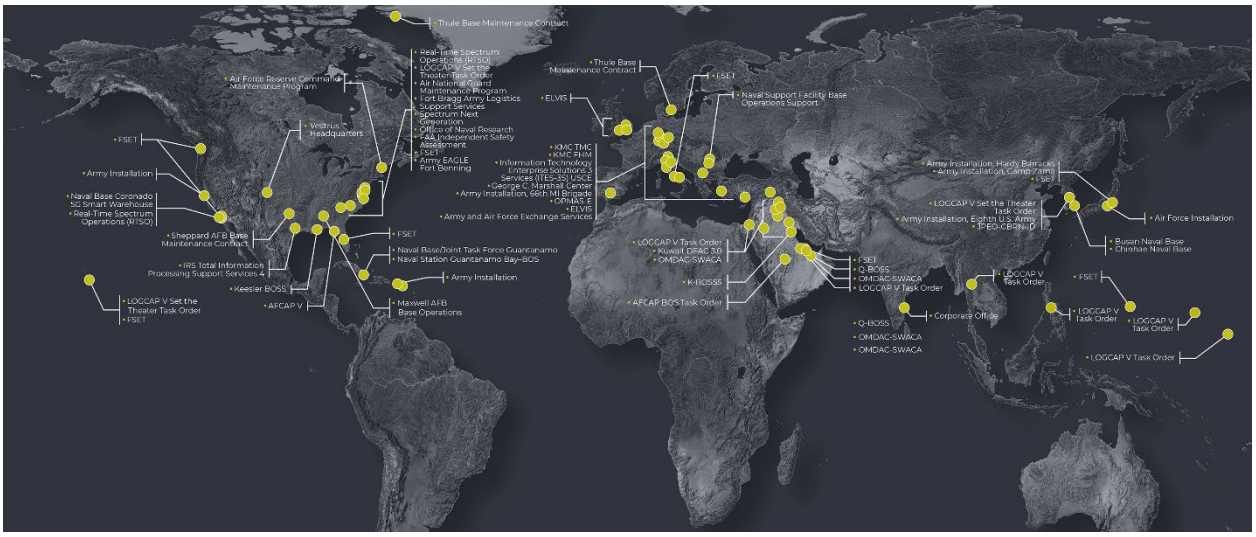

Figure 1: Vectrus Global Presence

Vectrus' overall core capabilities supporting the warfighter include base operations support, supply chain and logistics, IT mission support, engineering and digital integration including 5G, security, and maintenance, repair, and overhaul. In 2016, the Vectrus Leadership Team began making long-term investments to build out and solution the smart, secure Installation of the Future. Our approach has multiple components: Create our vision and strategy for the 5G Smart, Secure,

Sustainable Military Installation of the Future; target specific mergers and acquisitions; select technology that aligns with Vectrus' Installation of the future vision; invest and stand-up the Network for Integration Connectivity and Experimentation (NICE) 5G/Internet of Things (IoT) laboratory; consummate strategic business partnership agreements; hire "smart city" professionals; and ensure solutions and strategies align completely with the DoD's priorities of readiness, modernization, and reform to ensure the safety for our military and their families.

With more than 70 years' experience providing all facets of facilities and base operations support to the DoD, we leveraged our experience in how installations are being supported today with how they should prepare for the future fight, including the roles all military, contractors, and their families will be expected to perform. We created VRPI to meet that challenge.

For example, in response to the challenges the U.S. Government has with various installations (some of which are hundreds of years old with vital historical significance) including the convergence of IT, and Operational Technology (OT), sometimes referred to as Internet of Things (IoT); environmental issues on a military installation; and the amount of square footage under Government management, Vectrus created the Vectrus Installation of the Future Platform (see Figure 2). This Installation of the Future Command and Control (C2) platform enables sensor integration (regardless of source); secure communications between any devices; analytics that not only report on an event, but that also report on what *will* happen (aka Vectrus Analytics & InteLLigence (VAIL); easy-to-use C2 visualization; and the ability to incorporate a CONOPS with measurable outcomes. This integrated Installation of the Future can be demonstrated in Vectrus' NICE laboratory all over 5G. Lastly, Vectrus has an Energy Savings Performance Contract (ESPC) contracting capability to bring secure smart energy solutions to the U.S. Government today.

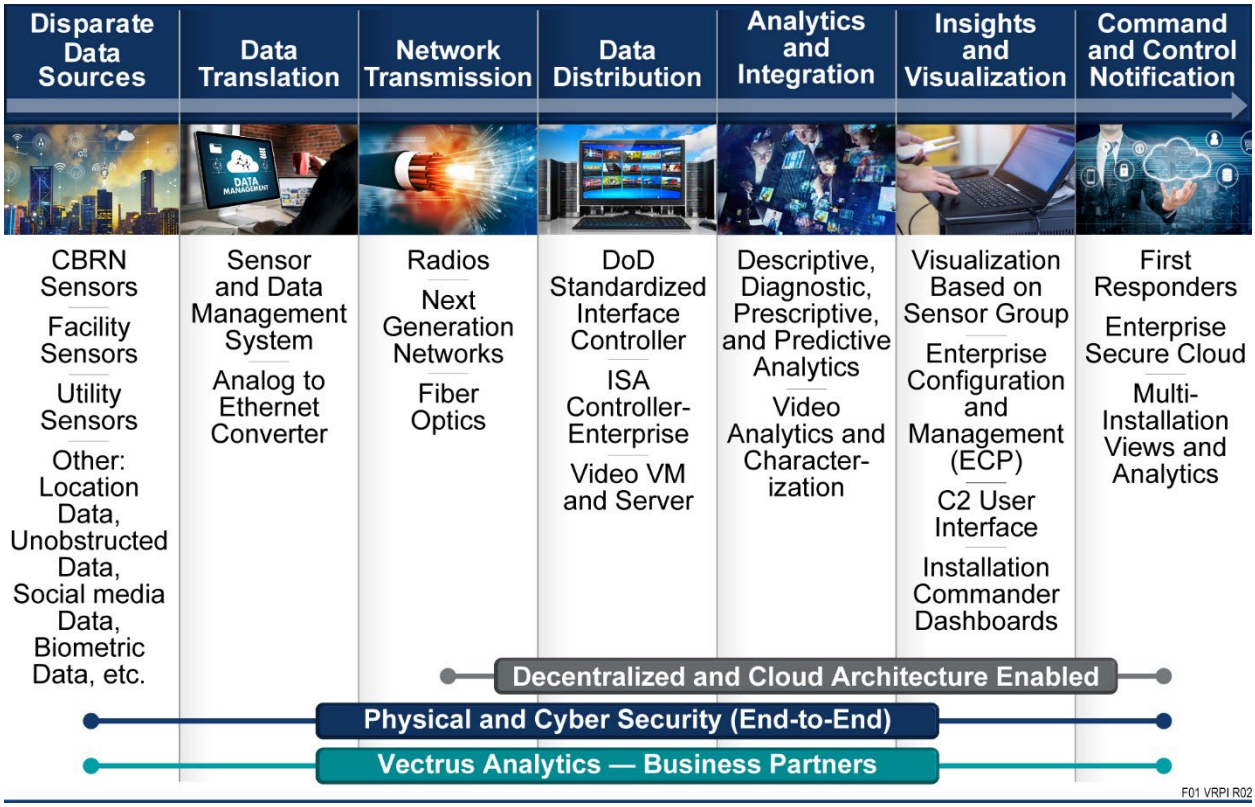

Figure 2. Vectrus' Installation of the Future Platform.

Another example, also highlighted in Figure 2, is Vectrus' Installation of the Future solutions which include the strategic acquisition by Vectrus of Advantor Systems, which provides integrated electronic security for Integrated Monitoring systems, Intrusion Detection systems, Access Control systems, Video Management systems, and ID Badging systems for comprehensive security of the Installation of the Future – all in compliance with DoD specifications (see Figure 3).

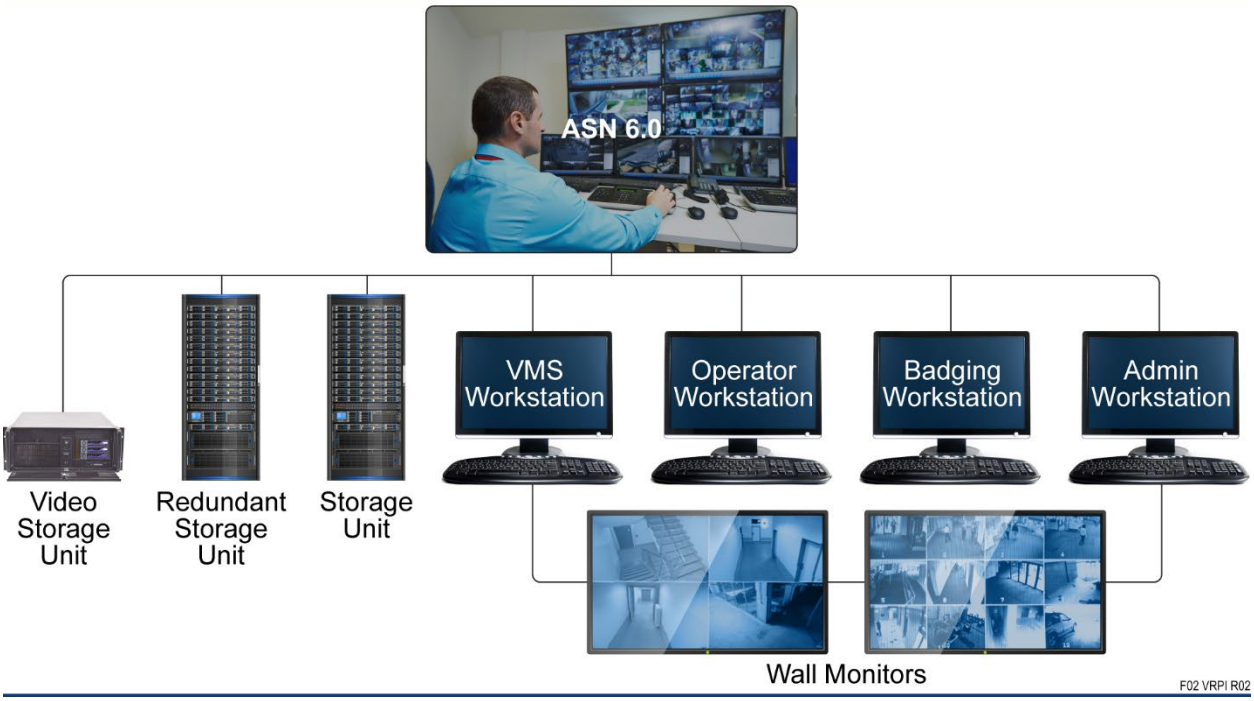

Figure 3. Vectrus' Integrated Security Platform – Aligned with VRPI.

DIRECT AND INDIRECT BENEFITS TO THE DEPARTMENT OF DEFENSE

As a facilities and base operations contractor to the DoD, Vectrus has created smart, secure Installation of the Future solutions in response to many of the trends, and consequences of those trends, that the DoD is tracking. Smart Installations of the Future must be resilient to disruptions and perform as strategic support areas, critical to multi-domain operations. Tables 1 and 2 below illustrate Vectrus' smart, secure Installation of the Future solutions that have direct and indirect benefits to the DoD.

Trends and Technology Areas the DoD Is Watching	Trends Vectrus Is Implementing and/or Integrating into VRPI – Installation of the Future	Direct Benefit to the DoD	Indirect Benefit to the DoD
Climate Change and Resource Competition	Vectrus thermal coating, and having the Energy Savings Performance Contract (ESPC)	Energy savings	✓
Increase Level of Human Performance	VRPI – secure, smart infrastructure to maximize warfighter capabilities	Maximum military readiness	✓
Cyber and Space	Multiple business partnerships	IT, OT, IoT Security, and 5G	✓
Economic Rebalancing	VRPI solutions based on readiness, modernization, reform, and warfighter safety	Secure and efficient installation	✓

Trends and Technology Areas the DoD Is Watching	Trends Vectrus Is Implementing and/or Integrating into VRPI – Installation of the Future	Direct Benefit to the DoD	Indirect Benefit to the DoD
Human/Computer Interaction	Multiple business partnerships, NICE Laboratory	Agile development core to VRPI and associated solutions; fast and iterative solution upgrades	✓
Artificial Intelligence	Multiple business partnerships, NICE Laboratory, VAIL	Vectrus Installation of the Future platform – VRPI	✓
Demographics and Urbanization	Leveraged smart city processes and programmatic solutions in the build-out of VRPI	Maximizes installation resources	✓
Technology, Engineering, and Manufacturing	Multiple business partnerships and M&A	Advantor Systems – best practices	✓
Big Data	Multiple business partnerships, NICE Laboratory, VAIL	Vectrus Installation of the Future platform – VRPI	✓
Collective Intelligence and Social Media	Multiple business partnerships	VRPI and associated solutions bring collective intelligence to the warfighter and real-time decision making	✓
Robotics	Smart Warehousing and Logistics Modernization, NICE Laboratory	5G Zero Trust Logistics Modernization	✓
Power Generation and Storage	Multiple business partnerships and having the Energy Savings Performance Contract	Cost of energy savings and energy efficiency	✓

Table 1. DoD Trends and VRPI Integration.

Installation Technology Areas (Installation of the Future Solutions)	VRPI – Installation of the Future Solution	Direct Benefit to the DoD	Benefit to the DoD
Energy	Multiple business partnership(s) —— and creating Energy Conservation Measure (ECM) Solutions, and having the Energy Savings Performance Contract	VRPI – Installation of the Future (solution)	✓
Water	Multiple business partnership(s) —— Vectrus has several Water (ECMs) to include hydrodynamic cavitation capability that revolutionizes wastewater treatment and water compression saving technologies	VRPI – Installation of the Future (solution)	✓
Smart Lighting	Multiple business partnerships to include a smart pole with 3G, 4G, 4G LTE, WiFi, and 5G communications capability	VRPI – Installation of the Future (solution)	✓

Installation Technology Areas (Installation of the Future Solutions)	VRPI – Installation of the Future Solution	Direct Benefit to the DoD	Benefit to the DoD
Connected Everything	VRPI solutions based on readiness, modernization, reform, and warfighter safety and the NICE Laboratory	VRPI – Installation of the Future (solution)	✓
Traffic Management	Base operations support today	Base operations support today	✓
Force Protection	Base operations support today	Base operations support today	✓
Efficient Buildings	Multiple business partnership(s) —– Vectrus provides secure enterprise solutions for energy and facilities management across all market verticals and has an Energy Savings Performance Contract	VRPI – Installation of the Future (solution)	✓
Predictive Analytics	Multiple business partnerships, M&A, NICE laboratory, and VAIL	VRPI – Installation of the Future (solution)	✓
Disaster Management	Base operations support today	Base operations support today	✓
Emergency	Base operations support today	Base operations support today	✓
Security (Physical)	Vectrus acquired Advantor – end-to-end physical security capability (ATO by the USAF)	VRPI – Installation of the Future (solution)	✓
Security (Cyber and IoT)	Business partnership(s) for ICS/SCADA and IT/OT/IoT security and the creation of the Vectrus Secure Infrastructure Platform (VSIP)	VRPI, and VSIP– Installation of the Future (solution)	✓
Land Management and Threatened and Endangered Species	Base operations support today	Base operations support today	✓

Table 2. DoD Installation of the Future and VRPI Solutions Alignment.

EXPERTS IN THE FIELD

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