



INSTALLATION AND ENERGY MANAGEMENT SOLUTIONS

Complete Solutions to Support Installation Initiatives to Improve Operations and Reduce Cost

BACKGROUND

For over a decade, Intergraph Government Solutions (IGS) has created focused solutions and services for Installation & Energy Management (IEM) in response to Department of Defense installation challenges in meeting mission critical goals. Beginning in 2000, the Fort Bragg Directorate of Public Works (DPW) selected IGS to help maintain and improve installation infrastructure. IGS personnel were seamlessly integrated into critical DPW functional areas. Through a series of process improvement workshops, DPW employees identified potential areas for improvement, leading to the development of innovative decision support solutions and services.

THE IEM EFFECT

IGS solutions offer DPWs a wide range of services to support installation initiatives and improve operations while reducing costs. We employ a combination of subject matter expertise and software/service solutions to increase productivity and cut costs, while meeting your business objectives and complying with environmental requirements and initiatives.

IGS helps our customers streamline critical business processes, enable fast and accurate decision support and reporting, facilitate standards compliance, raise energy consumption awareness, and make possible other improvements to maximize efficiency. These improvements support operational and sustainability goals such as:

- Engineering Work Management
- Energy Awareness & UMCS Integration
- Real Property Management
- Facility Maintenance Management
- GIS Management
- Environmental Management

ENERGY MANAGEMENT SOLUTIONS

Reducing energy consumption on military installations provides long-term dollar savings. We help you move toward meeting the Net Zero goal by providing tools that compile the data you collect into one database. The information is provided in an easy-to-read energy dashboard that allows Public Works professionals and installation commanders to evaluate whether factors such as facility use, infrastructure condition, and occupant utility habits are impacting energy usage. Mock bills generated for tenants provide building occupants with their energy consumption, increasing awareness within the entire community, and improving the installation's energy conservation efforts.

Facilities-based Overview of Customers, Utilities and Services (FOCUS)

IGS developed FOCUS as a geospatially enabled single-source web portal designed to provide installation decision makers and tenants with situational awareness and actionable information about facilities and installation components to include energy usage, real property data, work management, environmental considerations, and customer feedback. With an easy-to-read dashboard, FOCUS is designed to give all energy users — not just the energy manager — the power to conserve energy and help the installation achieve Net Zero goals that reduce the installation's environmental "footprint" while saving both operational and natural resources. FOCUS provides geospatial integration of installation data sources including:

- Real Property (GFEBs/HQIIS/ RPLANS)
- Installation Status Report (ISR)
- Utility Billing System (UBS) Data
- Work Management Information (WCS/GFEBs) for facility work orders
- Utility Monitoring Control System (UMCS) Data
- Smart Meter Data Integration

Utility Billing System (UBS)

IGS' UBS facilitates all aspects of managing utility accounts and meters for the capture of utility consumption and generation of monthly utility bills as well as utility cost and consumption trend reports. UBS also provides customer cost reports which detail the bill amounts and customer payments.

REAL PROPERTY MANAGEMENT

An in-depth and dynamic understanding of real property asset database management is critical to accurately reporting installation facility requirements and capturing future funding allocations. Installation asset condition and quantity data drives command decisions on facility replacement, repair, sustainment funding assignments, and future investments in real property assets. Our real property management solutions help installation customers to accurately identify and report real property sustainment and maintenance requirements based on the existing Facilities Sustainment Model (FSM) funding allocations by CATCODE. IGS Real Property experts can also perform periodic physical inventories and ensure that the RPI database records are reconciled.

FACILITY WORK MANAGEMENT SOLUTIONS

The effective management of infrastructure requires accurate, timely, and complete maintenance data. Facility construction and maintenance is critically important to installation security, progress towards sustainability goals, and operational mission support. IEM solutions track and report work order generations, actions, and progress to completion, reducing time to execute Individual Job Orders (IJO) as well as backlog and Demand Maintenance Order (DMO) completion time. This provides leadership with the metrics and performance data to answer data calls and effect improvements to infrastructure process workflows.

Work Coordination System (WCS)

The IGS WCS is a web-based work order management system that allows real-time coordination of the DPW's installation engineering work requests. WCS facilitates and promotes an

improved, efficient, and standardized DPW work order process by facilitating faster engineering work request processing and execution, providing access to accurate real-time information, promoting better communication and workflow alignment within the DPW and with their customers, and providing a mechanism for easier reporting for planning and execution. WCS has grown with the U.S. Army by reengineering processes to accommodate and promote the fielding and acceptance of the General Funds Enterprise Business System (GFEBs).

Using WCS with GFEBs, Fort Bragg DPW has documented savings of 7.86 full-time equivalents and \$768,000 annually, when compared to using GFEBs alone.

Through WCS, our installation and energy management solutions provide DPWs with the necessary tools to embrace the financial management requirements of GFEBs while achieving the project management productivity gains provided by WCS.

ENVIRONMENTAL MANAGEMENT

Our environmental management services empower individuals and communities to abide by environmental regulations and take proactive steps to ensure sustainable practices. These include energy-efficient construction and environmentally-sustainable policies and initiatives. Our experts customize environmental management solutions that streamline existing processes and also improve service delivery and reduce costs. IGS solutions also include components for managing natural resources and endangered species on an installation, fishing and hunting management, as well as land management.

For more information, contact:

Intergraph Government Solutions
info@intergraphgovsolutions.com
256.799.6300
www.intergraphgovsolutions.com



ABOUT INTERGRAPH GOVERNMENT SOLUTIONS

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data and infuse the world with intelligence to make processes and infrastructures better, safer, and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world. Intergraph Government Solutions (IGS) is an independent subsidiary for Intergraph SG&I's U.S. federal business. Intergraph is a wholly owned subsidiary of Hexagon AB, (Nordic exchange: HEXA B). For more information, visit www.intergraphgovsolutions.com, www.intergraph.com and www.hexagon.com. Intergraph Government Solutions 4/2014