

Enfragy Solutions India

STRIVE TO DELIVER THE VALUE ADDED SERVICES THROUGH INNOVATIVE & SUSTAINABLE PRACTICES



Balawant Joshi,
 Director

The Indian GIS market is expected to grow at more than 20 percent year-on-year due to factors such as an increase in demand for GIS solutions in the energy, transportation, logistics sector, along with a rise in the role of GIS software in the development of innovative city projects and urban planning, and proliferation of spatial data across India. The Govt. of India acknowledges that the availability of comprehensive, highly accurate, granular, and constantly updated Geospatial Data will significantly benefit diverse sectors of the economy, boost innovation in the country, and enhance the country's preparedness to respond to disasters. The new guideline details about pathbreaking set of reforms by pushing years of regulatory limbo out of way, Government of India recognizes the role that the private players play in the Mapping Industry. It shows their intent to free the shackled GIS Industry in India and allow it to grow to its full potential inducing the visionary policy. A wholly-owned subsidiary of Idam Infrastructure Advisory, Enfragy Solutions India is the one-stop destination for all GIS needs. Enfragy has nearly two decades of

experience in Photogrammetry, Digital Mapping, Survey, GIS applications, and LiDAR.



Enfragy is committed to excelling in customer focused services and building long-term relationships

The Global Navigation Satellite System (GNSS) has become a crucial player in the country's ability to monitor real-time activities. "Balancing the need to develop new markets, improve system reliability, and reduce operational costs is the greatest challenge for today's utility decision-makers, a challenge that is successfully met with Enfragy's GIS services. Enfragy provides solutions for applications in energy, engineering, environment disaster management, defence, and other disciplines", speaks Balawant, Director, Enfragy Solutions.



One-Stop-Destination

"Enfragy has the expertise to provide enterprise-level software application development services in many GIS application areas, including Cadastral

and Land Information systems, Public Utility systems, Forest Management, Water Management, and Municipal services. We believe in the delivery of value-added support services through innovative and sustainable practices", says Subhabrata Datta, Head of GIS practice at Enfragy.

Enfragy is committed to excelling in customer-focused services and building long-term relationships. Enfragy's GIS application development and IT Services divisions work closely together to build better economies of scale, which helps view geospatial applications as part of mainstream IT business. Over the years, Enfragy has developed unique models and operating practices that help them successfully execute client engagement. Enfragy has developed and adopted Quality Assurance Policy, for which Enfragy has received ISO 9001:2015 from TUV Rheinland. Enfragy has been providing advanced spatial modelling and analysis over the years and has executed hardcore GIS projects for AMRUT (Atal Mission for Rejuvenation and Urban Transformation) towns to become Smart cities and has completed 25 AMRUT cities/towns in association with National Remote Sensing Centre. The mounting use of a cloud-based GIS platform with Enfragy's IT team is likely to further boost its business growth in the years ahead. The broad advantage will be data access through any Internet connection, anytime, anywhere, including the distribution of GIS data, analysis, and systems simple to implement, manage, and capture data in real-time to be displayed directly onto a centralized system. Enfragy's vast experience in 2D/3D image analysis and orthophoto can help both satellite and drone companies to develop sustainable or robust business models. ||

EFFECTIVE SPARE PARTS MANAGEMENT FOR INDUSTRIAL PRODUCTS

By **Niranjan Ajgaonkar**, Global Head - Enterprise Asset Management & Supply Chain Management, Ramco Systems

After-sales service of industrial products and components is a complex yet profitable driver for customer delight and loyalty. Due to the unique nature of spare parts and the dynamic environment in which after-sales service operates, inventory management of spare parts is relatively challenging and distinct from that of other material. High spares availability accompanied by low spares inventory are necessary to ensure maximum uptime of equipment at minimum costs.



HIGH SPARES AVAILABILITY ACCOMPANIED BY LOW SPARES INVENTORY ARE NECESSARY TO ENSURE MAXIMUM UPTIME OF EQUIPMENT AT MINIMUM COSTS

HOW SPARE PARTS ARE DIFFERENT?

The following factors differentiate spare parts from other types of material:

- **Shortage Impact:** Shortage of spare parts impacts equipment uptime and may have a cascading impact on production schedule and cycle time.

- **Product Life Cycle:** Inventory of spare parts for new products and discontinued products needs to be planned based on non-traditional approaches, industry expertise and technical projections.

- **Spare Parts Peculiarities & Life Cycle:** Tracking of substitutes, stocking of maintenance-only (i.e., nonproduction) material and managing obsolescence are important for effective inventory management of spare parts.

- **Demand & Supply:** Deviation of actual maintenance material requirement from the maintenance Bill of Material (BOM), lower predictability of demand, unavailability of market research & forecasts and the menace of spurious parts can impact the accuracy of demand-supply calculations for spare parts.

INVENTORY MANAGEMENT OF SPARE PARTS: A CLASSIFICATION-BASED APPROACH

A variety of criteria need to be considered for inventory planning and control of spare parts. Given below are a few:

- **Origin:** Based on their origin or source, spare parts are classified as manufactured and purchased. Original Equipment Manufacturers (OEMs) usually have better control over parts that are manufactured inhouse as compared to those that are procured from external sources.

- **Criticality:** From the perspective of their criticality for safe and effective functioning of equipment, spare parts are classified as vital, essential, and desirable necessitating high, medium, and low inventory levels, respectively.

- **Lead Time:** Based on the lead time required for making them available, parts are classified as long, medium, and