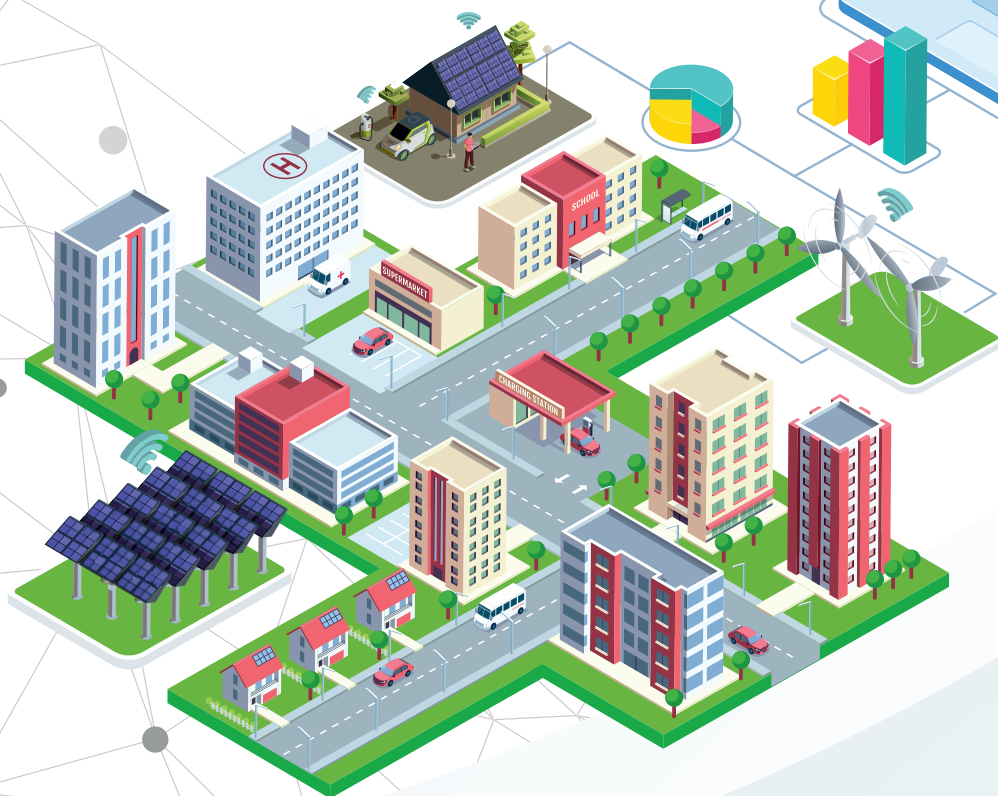


# FUTURE-READY FOR DATA-DRIVEN UTILITIES...



# Inventing data-driven possibilities

Inventive is extremely well positioned to manage the Power, Gas and Water Utilities present and future needs.

## VISION

We want to make organizations more efficient, individuals more empowered and the world more liveable using technological innovations.

## VALUES

Our values are based on the principles of mutual respect & development, business excellence, employee welfare and realization of our maximum potential.

## QUALITY POLICY

While providing capable utility management solutions for our customers, ISSPL (Inventive Software Solutions Pvt Ltd) is committed to continually improve the quality of our products, processes, and services. We recognize the benefits of operating our processes in compliance with the requirements of ISO 9001:2015 as well as appraised by CMMI Maturity Level 5.

# About Inventive

Our story began with the vision of harnessing the power of technology to transform **Power, Gas and Water Utilities** management capabilities and lives connected with it. Since its inception, ISSPL has stood out because of its innovative technology, and ambitious projects, starting from CMRI-based billing of consumers to smart metering solutions provider in the technologically connected world. We offer disruptive technological support to **Power, Gas and Water Utilities** across India.

ISSPL specializes in delivering innovative solutions customized for the evolving needs of **Power, Gas and Water Utilities**. Our comprehensive suite of offerings includes a diverse range of products like **Consumer Indexing and meter Installation (CIMI), Head End System (HES), Meter Data Management (MDM), Smart Prepaid System, Energy Audit, AI Powered- Energy Analytics, Consumer App, Unified Billing System, and OCR-Based Spot Billing**. Our expertise in meter installation services stands out, providing a pivotal foundation for enhancing efficiency, robust data management, and elevated customer experiences through the integration of cutting-edge technologies.

INVENTIVE, true to its name, is always striving to develop new solutions by continuously improving its deliverables and delighting its customers. It has a state-of-the-art IT facility for software development. It also has training centres for field teams at all its offices and fully equipped Labs with different makes and models of energy meters and other tools and accessories.



Inventive is trusted to encompass utility transformation challenges that are fueled by the fast evolving & innovative ecosystem of cloud, data, connectivity, software and people.



10+

States



10 M+

Consumers



100 Cr+\*

Revenue



# Hall of Fame

## Proven Inventive Culture

**Powerthon- 2022** is an initiative under RDSS (Revamped Distribution Sector Scheme) launched by Ministry of Power, Govt. of India and monitored by REC & IIT Bombay to find technology driven solutions to solve the complex problems in power distribution. On 23rd May 2022, **ISSPL** was **Awarded PoC** by Shri. R.K. Singh (Power Minister) along with Shri Alok Kumar (IAS), Power Secretary of India for **AT&C Loss reduction**.



# Our Accreditations



ISO  
**45001:2018**  
Occupational Health & Safety Management

ISO  
**22301:2019**  
Business Continuity Management System

ISO/IEC  
**27001:2013**  
Information Security Management System

ISO/IEC  
**27001:2022**  
Information Security Management System

ISO/IEC  
**20000-1:2018**  
Information Technology Service management System

ISO  
**9001:2015**  
Quality Management System

ISO  
**14001:2015**  
Environment Management System

ISO  
**26000:2010**  
Social Responsibility Management System

# SMART METERING SOLUTIONS

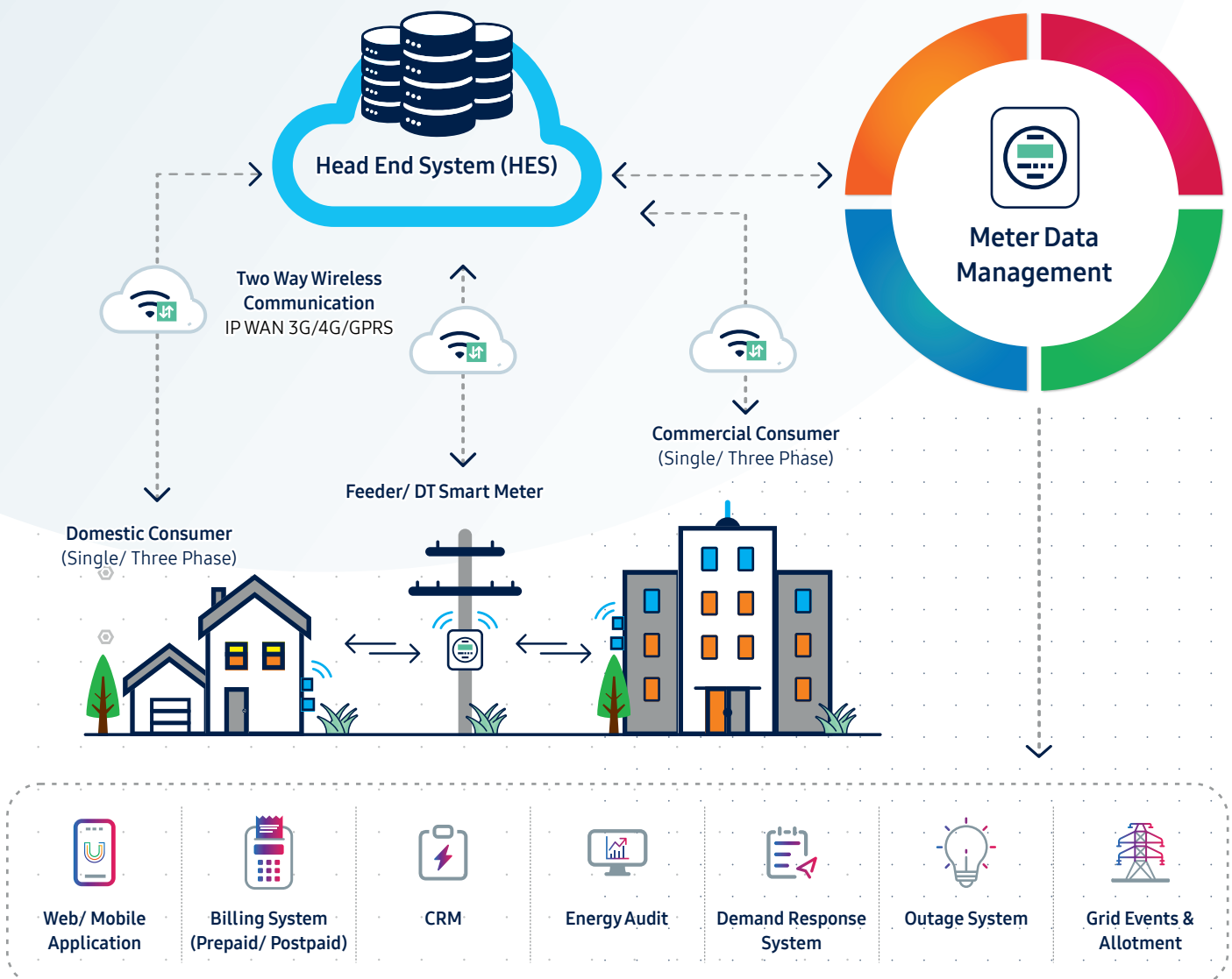
ENERGY EFFICIENT, CONNECTED & SECURE

Inventive Minds at Work

Selling more power is not the main objective of Utilities now-a-days. Efficiently managing supply and demand of energy is the new target. With a system of energy meters in place, utility companies are poised to deliver the reliable energy and high-efficiency products that customers demand, driving a need to switch from traditional to next-gen AMI model.

Need to plan a mesh of dedicated autonomous meters? Or simply management of volumes of data captured? Our AMI solution can address your current needs and grow along with you. Every day our proven, real-time solution allows utilities of all sizes- greater operational and financial control over their systems.

The volume and variety of data available from smart meters, sensors and other grid components is amazing and rapidly changing the way utilities plan and operate the network. Flexible, dependable, and smarter at every point in the network, our smart infrastructure solutions keep you connected to the information you need, when you need it- no matter what or where your end points are- to provide the best possible service to your customers. We develop a truly modular offering so that utilities can be flexible choosing what they prefer to do in-house versus what they want to buy as a service.



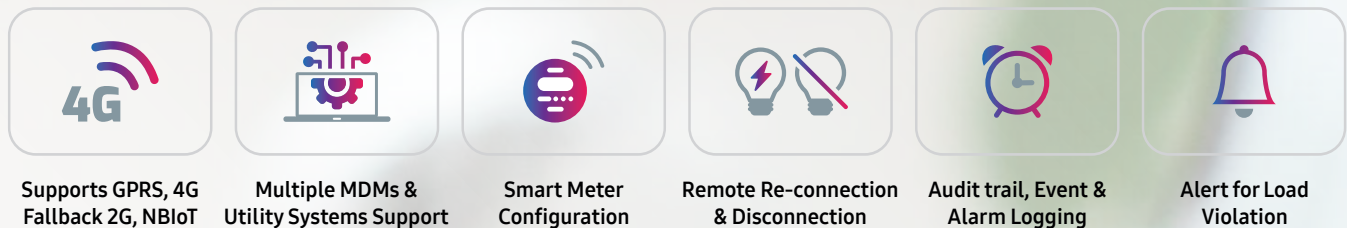
## Head End System

UGO HES operates on a secure cloud-based server. It is developed to offer secure and quality-based solution in a cost-effective way.

UGO HES is capable to communicate via numerous channels such as 2G, 3G, 4G, NB-IoT, RF, etc. It combines all the functionalities into a unified view for quick searching and data visualization as well as making informed decisions. UGO HES is a fully configurable system and a forward-thinking solution built upon open standards and protocols. It boasts a scalable and flexible architecture.



### Features :-



## Meter Data Management

UGO MDM is a powerful meter data management platform that helps utilities optimize their meters, reduce costs, and recover implementation costs faster. It validates, receives, and stores meter data, making it easily accessible to internal and external systems. UGO MDM also includes VEE capabilities to ensure the accuracy and adaptability of the data.

UGO MDM can manage enormous volumes of meter data and be rapidly configured to work with leading meter HES systems. It can also acquire data manually through CMRI.



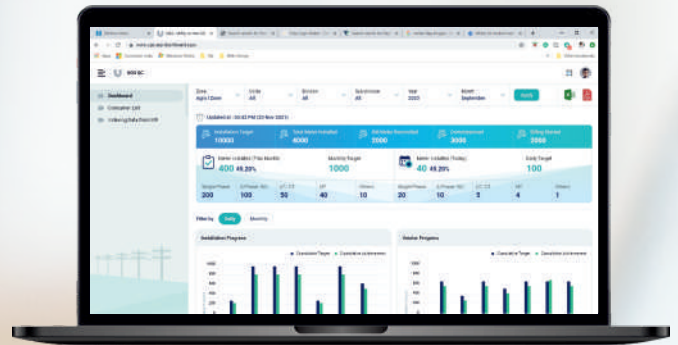
### Features :-





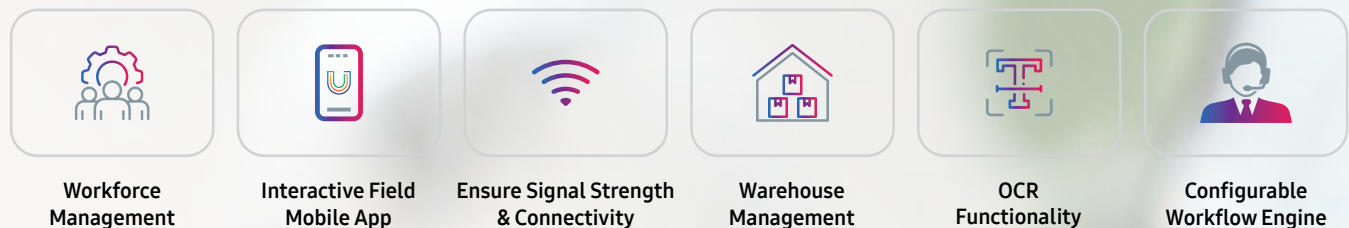
## Consumer Indexing & Meter Installation

UGO Consumer Survey is a cloud-based platform that allows users to upload customer data to a server, allocate it to field executives, who then conduct fieldwork and report their verified findings through survey app. It ensures correct consumer survey as it plays an important role in utility operations.



This information is directly sent our servers and available for analysis and decisions. This allows for the collection of KYC information from the customer together with GPS coordinates at the time of the visit, as well as the monitoring of network performance and signal strength.

### Features :-



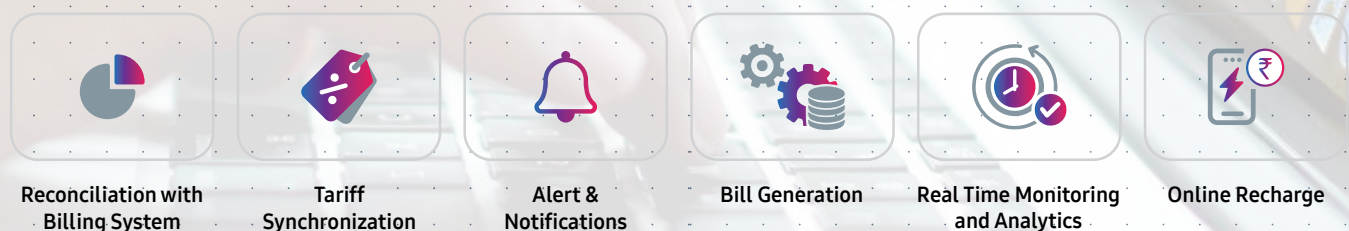
## Smart Prepaid System

UGO Smart prepaid system (SPS) Real-Time, Online Utility billing software is an efficient smart-meter billing solution for service providers of Power, Water, Gas and multi-service utilities. It supports simple to very complex multiple utility tariff schemes along with a robust calculation engine, consumer invoicing and tariff configuration.



UGO SPS delivers accuracy, consistency and efficiency for the calculation of consumption and notify consumers upon reaching a critical threshold. It enables user specific threshold configuration for critical alerts and remote disconnection.

### Features :-



# UGO | UBS

## Unified Billing System

**Unified Billing System** is the essential component in utility services, measuring consumption, generating bills, and collecting payments for **Power, Water and Gas Utilities**.



### Metering, Billing & Collection

- Efficient, Transparent & Cost-effective Solution for Managing Power Distribution
- Faster New Connection & Onboarding Management with 24\*7 Customer Care
- Improved Cash Flow via ePayment Channels & Cash Collection Counters
- Comprehensive Billing Solution to Aid Utilities in Lowering Billing Errors & Disputes, without Manual Intervention.



### CRM

- Secure & Powerful Solution Manages & Keeps Track of Consumers, Meters, Bills & Payments
- Automated Alerts to Customers about Outages, Service Requests or Billing
- Real-Time Requests & Grievance System
- Enables Customers to View & Pay their Bills & Manage Payment Preferences.





### Consumer App & Portal

- Self - Service Platform having access to Bills, Usage Graphs & Payments
- Facility to Raise the Complaint & Monitor Resolution Status
- Enabling Consumer Self - Generation of Bills using Trust Reading
- Reduce Workload of Customer Support Office & Increase Revenue



### Energy Analytics

- Analyzing & Interpreting Energy Data to Identify Trends, Patterns & Insights
- Incorporation of Advanced AI / ML Tools eg. Regression, Time Series etc.
- Compiling of all Data into Common Data Format for Data Preprocessing
- Detection & Mitigation of Potential Losses using AI- Based Reasoning.



### Workforce Management

- Real - Time Tracking of Workforce via Dashboards & Geo- Location
- Easy & Intuitive UI to Assign, Un-Assign, Reassign, Transfer Assignment Division, Book, Binder, Group & Consumer Wise
- Biometric Authentication with Face Recognition & other Validation Checks (eg. Selfie Based Authentication).



### Spot Billing App

- Improved Cash Flow & Increased Revenue
- Monitoring and Accuracy of Meter Readings & Billing
- Integration of Various Activities at Centralized Window
- Increased Transparency & Customer Satisfaction



### Network Indexing Management

- Maintain Network Hierarchy of Distribution System
- Ability to Acquire Information from Existing GIS Systems
- Able to Integrate with Other Systems eg. EA, Fault Detection, OMS etc.
- Data Warehousing & Archiving on Cloud Service for Enhanced Security.



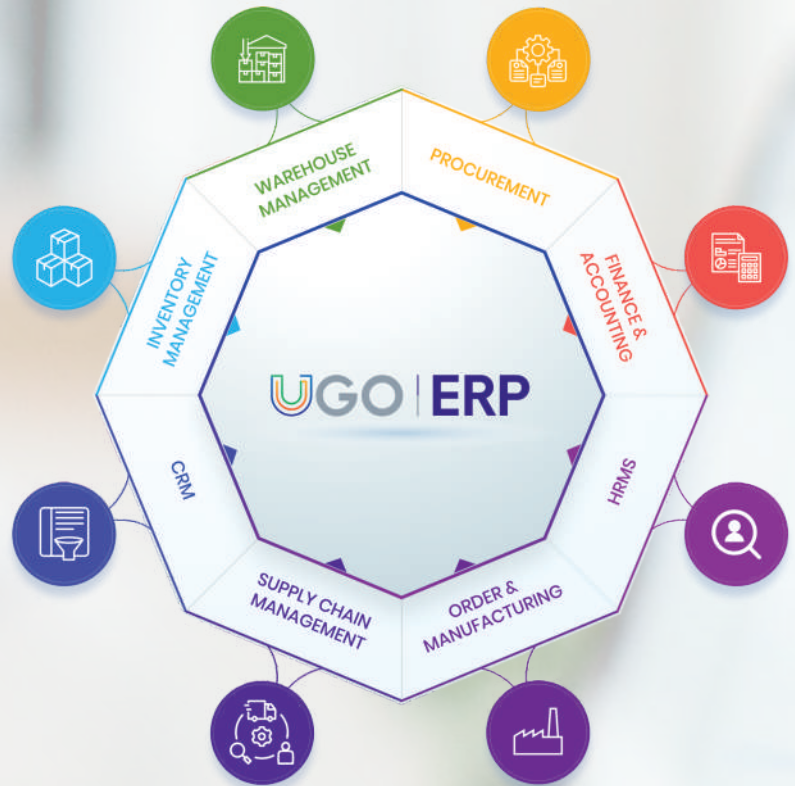
### OCR Based Billing

- Works on all Meters Across Utilities / Protocols
- Recording of Photo & Video of Screen Display for further Audits & Verification
- AI / ML- Based Intelligence for Audit of Captured Data.
- Automation of the Billing Process & Reduction of Manual Intervention.

## Elevate Your Business with ERP Excellence

UGO ERP offers a robust solution for businesses seeking heightened productivity and control. Tailored to specific industries, this ERP system provides a strategic framework to seamlessly integrate all aspects of your enterprise into a single platform. By doing so, it empowers your organization to excel in the modern global marketplace.

UGO ERP optimizes operations, enhances efficiency, and offers valuable insights, facilitating informed decisions. It serves as the ideal foundation for advancing your business, unlocking growth potential, and staying competitive in today's dynamic business landscape.



### Key Benefits :-

- Cost-effective, scalable, accessible from anywhere, automatic updates, reduced IT burden, and simplified maintenance
- Access data & functions from anywhere with an internet connection, promoting remote work
- Optimizes resource allocation, cutting unnecessary expenses, and improving financial management
- Empowers data-driven decisions with robust reporting tools and valuable insights
- Eliminate the need for extensive in-house IT infrastructure & maintenance, saving time and resources
- Include features such as role-based access control and data encryption, can assist firms in improving security
- Managed maintenance, security, and backups streamline system upkeep and reduce administrative workload
- Consist of features like shared calendars and project management tools, can assist firms in improving cooperation.

### Key Features :-



# Key Projects

## Military Engineering Service, Shillong

Supply, Installation, Commissioning and complete setup of AMI system with integrated smart prepaid billing system in all 3 zones of MES under the north eastern region.



## GMR Group

Executing operational activities and carrying out consumer indexing for more than 2 million smart meters.



## IntelliSmart Infrastructure Pvt. Ltd.

Executing operational activities like the installation and commissioning of around 0.5 million smart meters at consumer premises.



## The Imperial Electric Company

We are immensely proud to have achieved remarkable success in delivering exceptional services to Imperial. We have consistently exceeded expectations by installing an impressive 4.5 lakh meters within the specified timeframe and with unwavering accuracy.



## Bentec India Ltd.

Inventive Software Solutions proudly stands as the provider of consumer survey and meter installation services for Bentec India, catering to a substantial consumer base of 1.5 lakh. This achievement reflects our commitment to delivering top-notch services and operational efficiency of our client's consumer network.



## CUGL - Central UP Gas Limited

Streamlined spot billing for 40,000 consumers through UGO, achieving seamless integration with CUGL SAP.



**BSES**

**TPSODL**

**TPWDL**

**TATA POWER-DDL**





# Key Projects

## UPPCL - Uttar Pradesh Power Corporation Ltd.

We are currently executing multi core value project for our oldest & most trusted client UPPCL in 3 out of 4 DISCOMS (MVVNL, PUVVNL and DVVNL) spanning the entire spectrum of Metering, Billing, Data analysis & Revenue management.



## PSPCL - Punjab State Power Corporation Ltd.

Successfully executing our spot billing services and MIS Dashboard for approx. 90 Lakh consumers in Punjab thus improving revenue assessment & billing efficiency.



## MePDCL- Meghalaya Power Distribution Corporation Ltd.

In Meghalaya Power Distribution Corporation Limited (MePDCL), with an objective of Regular Billing + Accurate Reading + Bill Delivery 100%, we have undertaken smart prepaid metering project to facilitate new age digital customer experience for 5 lakh people.



## TATA Power- CSPDCL

Successfully deploying CI MI Mobile Application for 28 lakh consumers and Smart Meter installation work for more than 3 lakh consumers for the Smart Metering Project of Chhattisgarh State Power Distribution Company Ltd.



## GGL - Green Gas Limited

Streamlined Green Gas Limited's revenue billing for over 1 Lac PNG consumers through Unified Billing System.



## DJB - Delhi Jal Board

In Delhi Jal Board, Currently we are providing Spot Billing services for approximately 2 Lacs consumer. We were appraised for highly successful execution of POC on Optical Character Recognition (OCR) technique based spot billing. This resulted in enhancement of billing, accuracy and resource utilization.



**noidaval**

# Client's Success Story



## Smart Metering for Utility with widely spread consumers

### Business Challenge

Our client utility operating in one of the remote regions was facing problems with meter reading, billing, bill distribution and revenue collection. Manual reading and distribution was time taking and prone to errors.

### Solution

A complete UGO UBS (Unified Billing System) was implemented, with support for smart metering. Mobile app for offline spot billing and revenue collection was launched for employees to perform collections from remote areas.

### Gains

Combination of Smart Meters and offline spot billing app enabled timely and accurate billing of consumers. Further, a self-service consumer app with the ability to recharge & pay bills online, optimise energy use, and resolve complaints increased consumer satisfaction.

## Enhanced Meter Data Management for Power Utility

### Business Challenge

Meter readings were collected using manual work force. This process was slow and prone to errors/ malpractices. Due to this, the Department was facing problems of revenue leakage and consumer dissatisfaction.

### Solution

Meter Data Management (MDM) system was implemented which was supporting online meter readings from smart meter and capable to store data collected using traditional methods with proper validations.

### Gains

MDM solution enabled collection, processing with in-built VEE, archival, retrieval & analysis of Meter data from smart meter and legacy meter both. Analysis of meter data enabled fraud detection and plug revenue leakage. MDM calculates billing determinants data and provide to downstream billing system for billing.

## MRI and Revenue Tracker for HT consumers of Utility

### Business Challenge

The number of HT consumers are usually very low for any utility, but these are source of major chunk of revenue. Utilities need to be able to collect all due revenue from them, as well as providing them high level of service.

### Solution

UGO MDM was implemented for HT consumers. This provided support for smooth integration of MRI data, analytics and automated bill distribution with digital acknowledgment gave the opportunity to utility consumers to see their bill in real-time.

### Gains

Real time dashboards and analytics provided better visibility on revenue leakage, data collection status for all consumers. Revenue tracker showed which consumers or divisions were lagging in revenue collection. Thus, real-time follow-ups from the central command office were made possible.



# Inventive- A Family



Inventive takes pride in ensuring wellness of its employees and society. Towards this goal Inventive takes lead in organizing various social events as well as tries to support less fortunate ones in the society.



## सीएम केयर फंड में दिए सवा दस लाख रुपये

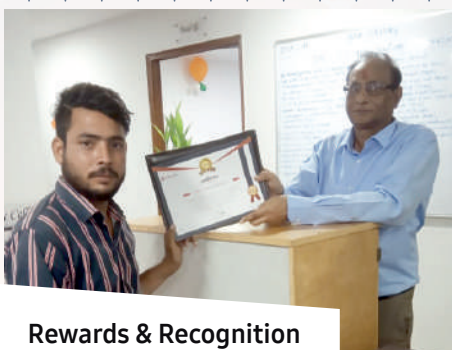
आगरा के युवा व्यवसायी इन्वेंटिव साफ्टवेयर सोल्यूशन प्राइवेट लिमिटेड के निदेशक देवेश गर्ग ने सांसद चाहर के साथ मुख्यमंत्री योगी आदित्यनाथ को मुख्यमंत्री केयर फंड में कोविड 19 के लिए सवा दस लाख रुपये दिए।

## BLOOD DONATION CAMP

DONATE BLOOD PASS THE LIFE



Office Celebration



Rewards & Recognition



Training Session







- Headquarter
- ▲ Corporate Office
- Zonal Office

## Inventive Software Solutions (P) Ltd.

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📱 Get Digital  
Brochure

