



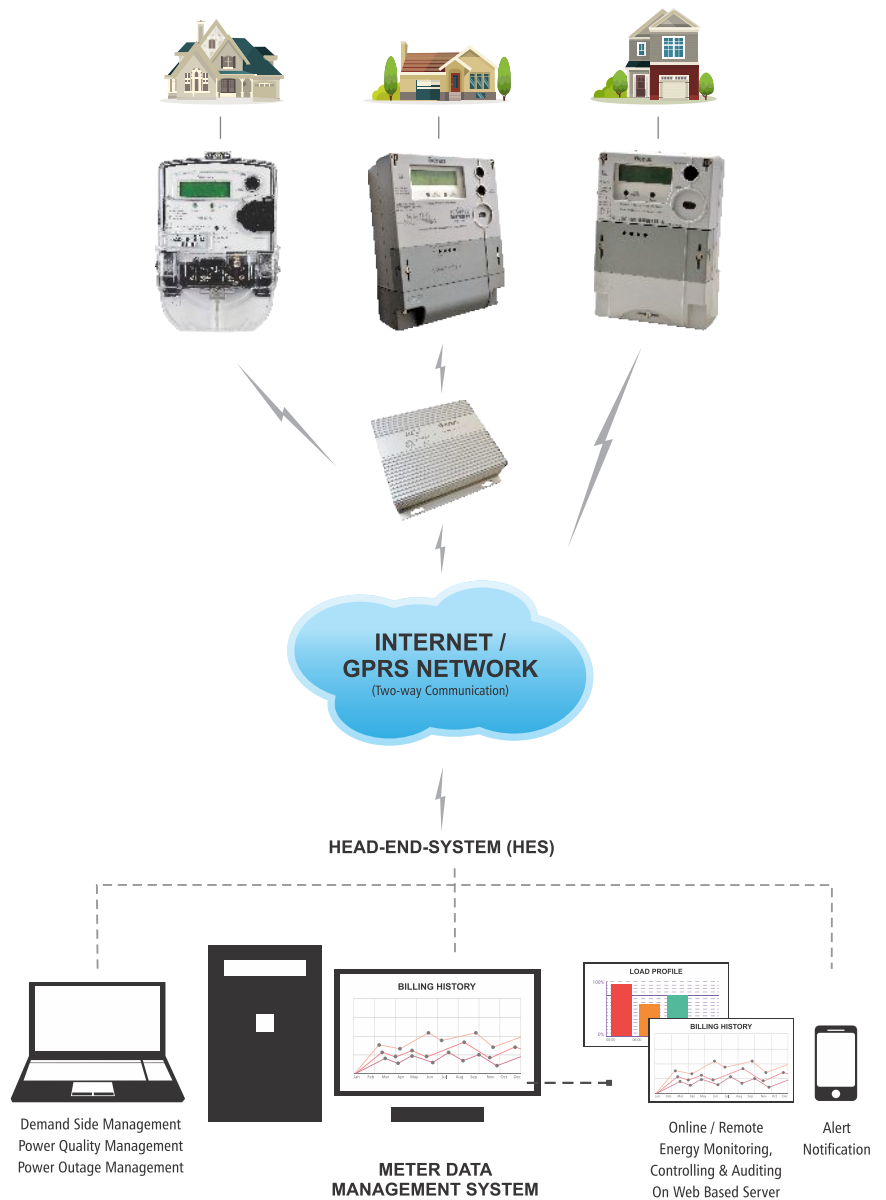
SMART METERING SOLUTIONS



Saksham

Smart AMI Solution (Meter + MDMS)

Genus "Saksham - 125 / 145 (Single Phase) & 345 (Three Phase)", an ideal solution for Advanced Metering Infrastructure (AMI) system intended for Peak Load, Power Quality Management with Multi-Rate/Time-of-Use and Anti-Tampering features are suitable for Commercial and Residential Consumers of Single Phase / Three Phase Service Connections. These measure, collect, analyze, control the Energy Usage and Communicates with Head End System (HES) both 'on request' & 'on schedule'. This gives unparalleled end-to-end visibility to the utility into their distribution network.



Urja | Meter Data Management Software

Genus URJA is a highly user friendly base station software for Meter data Analysis. The Software is designed and developed by a team of engineers from Genus, a CMMI level 3 company.

Agrim | Prepayment Electricity Meter

Genus Agrim is a Pre payment Energy Meter with flexible and secure Web Based revenue management solution for electricity distribution companies. The Solution include Single & Three Phase Keypad based Energy Meter, in-house Consumer Interface Unit (CIU) and web based central server for meter database along with Vending Software Management.

The Meter also has the option to measure energy in two separate registers --AC Mains & DG supply (Dual Register Facility). Genus also supplies STS Compliant prepayment meters.





Daksh

Grid & Sub-Station Meter
(ABT Complaint)

Genus Daksh is a Three Phase Four Wire HT CT Operated time of Use Static energy Meter with ABT feature. The High precision microcontroller based device has measurement accuracy for both Active & Reactive Energy upto 0.2S.

The 0.2S Class of Accuracy, Dual Auxiliary Supply (AC/DC) option & true 4-Quadrant Bi-direction Energy measurement with high speed ethernet (TCP/IP), USB, RS - 232 & RS - 485 communication port makes it ideal for Grid Substation or Bulk Energy Transfer Application. The standard 19" flush mounting arrangement with hot swappable metering modules (upto 4 nos) give ease of installation & replaceable systems.

Sampoorna

Thread Through Metering Solution
For Distribution Transformer

Genus Sampoorna, thread through Metering Solution, enhances the overall DT/LT Metering efficiency upto Class 1.0. The product with integrated measuring & communication (optical / GSM / GPRS / LPRF) feature facilitates reliable local & remote communication. The meter has internal battery back-up for reading in the event of power outage.



Saksham - 325

Smart DT Meters With
Integrated Communication

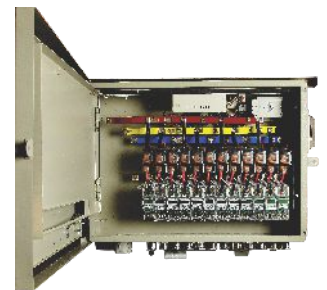
Genus Saksham™ -320 is a Three Phase Four Wire CT/CT-PT operated, Time of Use meter ideally suited for Distribution Metering.

The Energy Meter is micro-controller based metering device with class of accuracy 0.5S and in-built GPRS/GSM Modem (optional) that simultaneously carries out real time calculation of parameters, manages memory, Display, RTC & Automatic / remote Communication with Head End Server.

Smart Group Metering Solutions

IT Enabled Meter Reading System
with Data Analysis Software

Genus Smart group Metering Solution is an innovation for Group Housing Apartments & clustered Residential Areas. The Metering solution is an integration of 12Nos of Single Phase Individual DIN-rail mounted meters with Residential/Remote Enabled Display Unit (REDU) unique to each Meter, Data Collector unit, Relay Switches & GSM/GPRS module. Wall/Pole mounting arrangement of Metering unit and Energy Display Unit at Consumer premises makes it tamper proof and cost effective solution for AMR.



Smart Street Light Management System

IT Enabled Automatic Control &
Remote Monitoring System

Genus Smart Street Light Management System is an integrated solution for Energy Measurement & controlling of Street lights based on Astronomical calendar. An AMR Compatible solution keeps the governing bodies & operators aware of the system conditions along with Abnormalities & Alerts. This, In turn, reduces the operational expenses. Energy Measurement gives facility to pay/get revenue on the basis of actual consumption rather than per point that prevails presently.



Shikhar

Multifunction Single Phase & Three Phase Energy Meter (Tariff & Net Metering Application)

Shikhar is a multifunction Class 1.0 Direct Connected /Whole Current, tamper proof, time of use Static Energy Meters. Energy metering device is uni-directional / bi-directional (optional) for real time calculation of Energy parameters, memory management, LCD Display, RTC & also Communication Compatible and conforming to IEC 62053-21/23 and IS 13779.

Achook

Portable Reference Meter

Genus Achook-1080 / 3080 is a portable Reference Standard Meter. It is used for the measurement of the power system parameters and accuracy of Energy Meters in laboratory as well as 'on site' testing without disconnecting the meters.



Samvaad

AMR Solutions

Genus Communication Solution, based on different Communication Topologies, caters to the need of the hour for efficient Automatic Meter Reading. IR, IrDA, LPRF (Zigbee / 2.4 GHz, 865-867 MHz) & GSM / GPRS based devices give an edge for Automatic / Remote Communication.

e-Samvaad / Data Concentrator Unit (DCU) is a solution for two way communication with multiple meters on one end and server on the other end over local network.

Samarth

Multifunction Static Energy Meters (Panel Meters)

"Samarth", panel/flush mounting energy meters, is a range of multifunction metering solution for AC & DC measurement. This high precision measuring device has it's application in Building Management Solutions, Telecom Industry, Industrial/Grid Sub-Station Automation (SCADA), Energy Accounting Control & Relay Panels with different add-on communication option i.e. RS-485, RS-232, GSM/GPRS & Ethernet/TCP-IP etc.



Samarth-DC

Multi-Channel Direct Current (DC measuring) Energy Meter

The "Samarth-DC" a multi-channel DC measuring instrument is a unique solution with add-on communication facilities for local & remote interfacing with Control/Data Center in its class.

The device has wide range of Direct Current (multi-channel) & Voltage measurement and Various Electrical parameters like Power/Energy/Demand available for display & storage.

Samarth

Multi function AC Energy Meter

The "Samarth" is a multifunction digital panel meter with high precision for measurement of electrical parameter like AC voltage/Current/ frequency/ Power (W/VAr/VA)/Energy.

A well suited device for CT/VT & LT-CT operated application is available in wide range of factory & field configurable parameters and communication option. Larger LCD display enables numerous parameters representation simultaneously on Single Screen and Digital pulse input/output feature makes it best in its category.





About Genus

An ISO 9001 & 14001 certified company is an integral part of the US \$400 million Kailash Group. Genus has three business divisions offering highly innovative and sustainable solutions to the power sector.

The Metering Solution Division provides a complete range of Electricity Meters such as Multi-Functional Single Phase and Three Phase Meters, CT Operated Meters, ABT & Grid Meters, DT Meters, Pre-Payment Meters, Smart Meters, AMI, MDAS etc.

The Power Back-Up Systems and Solar Solutions Division offers a wide range of UPS & Inverters such as Home UPS, Static UPS, Online UPS, High Capacity Inverters, Solar Inverters, Batteries, Solar Power Packs, Solar Power Conditioning Units etc. Genus undertakes turnkey solar power projects up to 500 kW from designing to commissioning.

The Engineering Construction & Contracts Division undertakes Turnkey power projects such as Sub-Station erection upto 400kV, Laying up of transmission & distribution lines, Rural Electrification, Switchyard, Network Refurbishment etc.

Genus Highlights

- Flagship company of **US \$400 million** Kailash Group (**Listed in BSE & NSE**)
- State of the art **Electronics & Mechanical** infrastructure for manufacturing, spread across **6 plants in Jaipur & Haridwar**
- Government of India recognized **Research & Development Center**
- Installed base of **3,80,00,000** numbers of Electricity Meters in India & counting, Largest in the country
- A **CMMI Level 3** company
- **MNRE Channel Partner** for Solar Projects, **SP2A Solar Grading** by MNRE-ICRA
- Complete **In-House Manufacturing** of Solar Products
- **Solar Rooftop Installation** base of more than **3 MW in a span of 1 year** and counting
- Erection of more than **60 Sub-Stations** of different ratings up to 400 KV
- Rural electrification of more than **1,00,000 villages** and counting
- Accredited with various National and International Certifications such as; **ISI, KEMA, STS, ZIGBEE, UL, DLMS** etc.

Our Infrastructure & Facilities



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