iBISS® NET
INTERACTIVE GIS SOLUTION FOR CATV INDUSTRY

POWERED BY ORACLE®

iBISS-Net (V.2.0) is a web-based, GIS-enabled decision support system (powered by Oracle 11g Spatial). This allows import of static engineering drawings into a single data warehouse and enables faster updates. The current version provides an attractive & user-friendly interface for enterprise-wide use and access of latest network asset information.
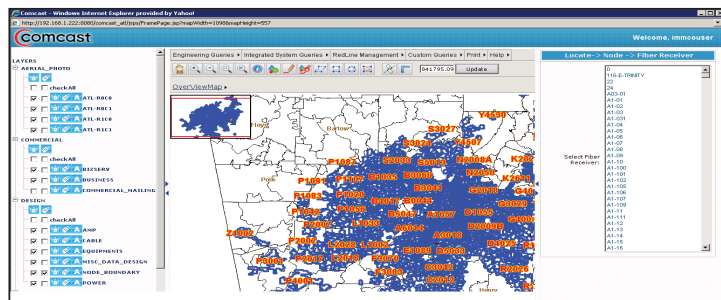
ABOUT iBISS

Today's broadband network operators have implemented several routines for data collection, monitoring, and control, but with little intra-system communications. As a result, valuable data of multiple formats are lost and under-utilized due to lack of ability to cross-reference or share data. iBISS-Net is focused on bridging this gap between multi-systems and departments. People using iBISS-Net immediately benefit from the resultant, reduced expenses, increased efficiencies, and synergies for the entire enterprise.

Once the initial stage of integrating the network data into iBISS is completed, it becomes easy to overlay data from other systems and sources such as commercial and residential market demographics, billing, status monitoring, work orders, repair history, non-responders, technician service areas, service penetration, and more can be integrated for advanced management and analysis capabilities.

iBISS MAP WINDOW

ALSO AVAILABLE IN FIELD VERSION

CURRENTLY BEING USED BY SOME OF THE LARGEST MSO'S IN THE UNITED STATES

REPORTS

AERIAL IMAGERY

STRANDVIEW

iBISS-Net brings Operations, Engineering, Marketing, Business Services & Field Management functionality into the same page with analysis of network, operational, and market data through graphical overlay and report generation.

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BENEFITS

- Reduces truck rolls
- Decreases maintenance and troubleshooting
- Increases network operations monitoring and analysis capabilities
- Increases network performance and management optimization
- Reduces mean time to respond (MTTR)
- Accurately identifies target market for new services
- Creates a single repository for valuable data
- Links departments with a single data source
- Eliminates the need for paper maps

FEATURES

- Server-based platform allowing enterprise-wide access
- Standard Java Enabled web browser
- Based on Oracle Stack
- JAX-WS web services support
- WMS and WFS complaint
- Open Standards with mainstream technology
- Service Oriented Architecture for easy integration with third party ware

OPERATIONS & ENGINEERING FEATURES

- All OSP strand and fiber drawings accessible for interactive use
- 24/7 remote access for field personnel provides up-to-date network information
- Redline management process and tools to facilitate real time updates to data
- Address listings by network asset: node, amp, power supply, and more
- Fiber management tools to identify routing, priority, splicing, and related equipment
- Equipment inventory and analysis capabilities
- Locate fiber splices and view splicing diagrams
- Accurate audit and estimation of applicable permits, fees and taxes
- Thematic queries
- Significant time savings when combined with the use of iBISS Field and iBISS Mobile portable applications for PDAs, Pocket PCs, and cellular phones
- Fault diagnosis with accurate OTDR trace
- Web Services enabled to call to proprietary applications to talk to iBISS

MARKETING & COMMERCIAL SERVICES FEATURES

- Intelligent, accurate location of new customers for promotional efforts
- Market data cross-referenced with engineering or billing data through graphical overlay or reports
- Sales territory mapping and analysis
- Address listings by demographic: billing system status, market demographic, service area, and more
- "Can We Serve" decision capability to locate addresses nearby plant facility on the map with the built-in iBISS inference engine, without rolling trucks

NEW FEATURES

- Rate Center Analysis
- Cell-Tower Backhaul Analysis
- GPS Enabled Field Version
- Business Serviceability Analysis
- IBISS File Data Store
- Integration of Network Health Monitoring
- Zip Code Validation

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