



JouBeh Technologies



INNOVATIVE GLOBAL TELEMATIC SOLUTIONS

www.joubeh.com



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DBCP XXVI 2010

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Who Is *JouBeh* ?

- Iridium VAR – Top 15 Data Provider
- Over 1100 clients in 35 countries
- Dedicated to environmental data collection
- Solid Reputation for reliable customer service
- Canada's Largest Service Provider for VMS
- Located in Nova Scotia - Canada



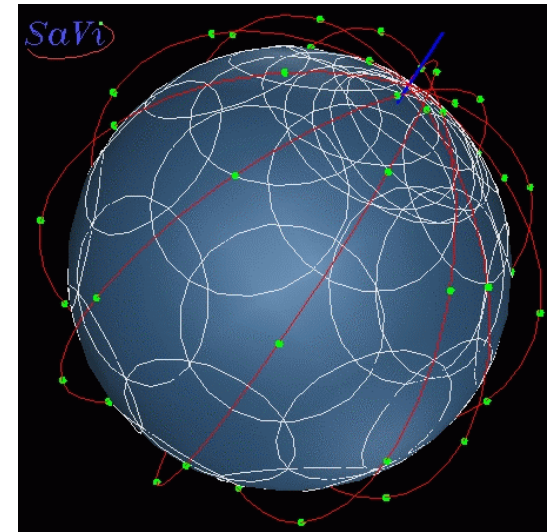
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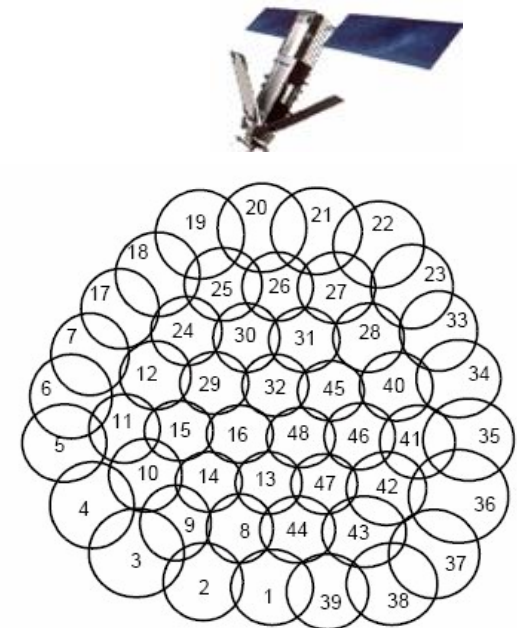
Why Iridium ?



- NO Data Latency – Real Time
- LOW COST Hardware and Data
- GLOBAL Coverage (66 Satellites)
- GLOBAL Bi-Directional Communication

System Capacity

- 66 Satellites in LEO orbit in 6 planes
- Satellite footprint has a 4,480 km diameter
- Each satellite has 48 spot beams
- Each spot beam is 400 km diameter
- All spot beams overlap
- Each spot beam can handle 230 simultaneous calls
- Each satellite can process 1100 simultaneous calls



Spot beam pattern of an Iridium satellite



Activities

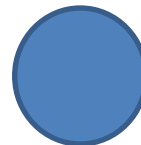
Provide Iridium Modems, Antennas, engineering support and custom accessories



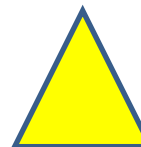
Provide Iridium Data Services



Short Burst Data



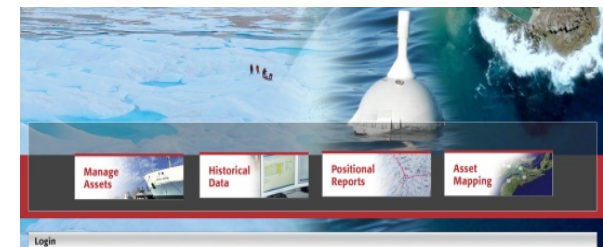
Circuit Switched Data



RUDICS

- Consultation
- Activations
- Billing
- Account Management

Provide Web Services and Data Processing



<https://asset.joubeh.com>

- GTS
- Google Earth Mapping
- Decoding
- Text Data Display
- FTP
- Storage
- Watch Circles and complex polynomial alarms
- Text forward to Iridium Handset
- Two way control of platforms
- Secure

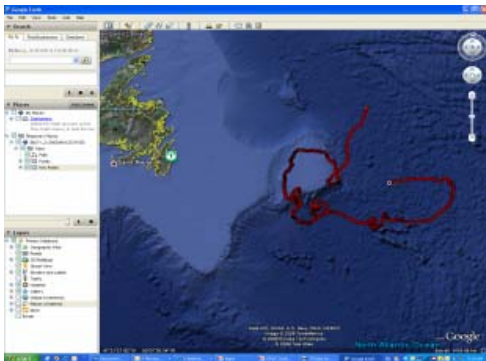
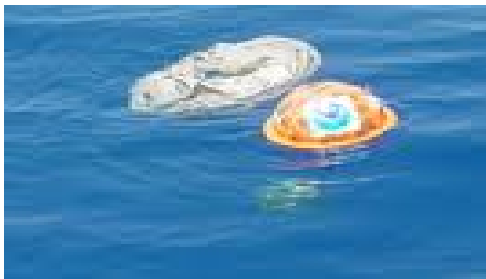
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SBD Cost Example SVP-B (Plan B)



- GPS and sensor sample every hour Tx
- 17 byte message
- 17 bytes X 24 hours = 408 bytes per day
- 408 bytes X 30 days = 12,240 bytes per month
- Using Plan B subtract 12,000 free bytes per month
- 240 bytes X \$1.40/KB = \$0.33
- \$16.00/mo. subscription + \$0.33 = \$16.33/month
- Web Services processing = \$26.33/month
- Enhanced (includes GTS & FTP) = \$36.33

LOW COST SOLUTION

Prices shown are in U.S. Dollars

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Iridium Update



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- 9602 SBD Modem – *JouBeh* is *Iridium's principal partner* for OEM sales



Key Features

- Single Board Transceiver
- Small form factor
- Rated to -40C
- Aluminum alloy casework with Alodine 2600 coating
- GPS RF Pass-through technology
- Low cost

- Total billable subscribers grew 16.8% in 2nd Quarter 2010, reaching approximately 383,000 – up from approximately 328,000 at the end of the comparable quarter last year.

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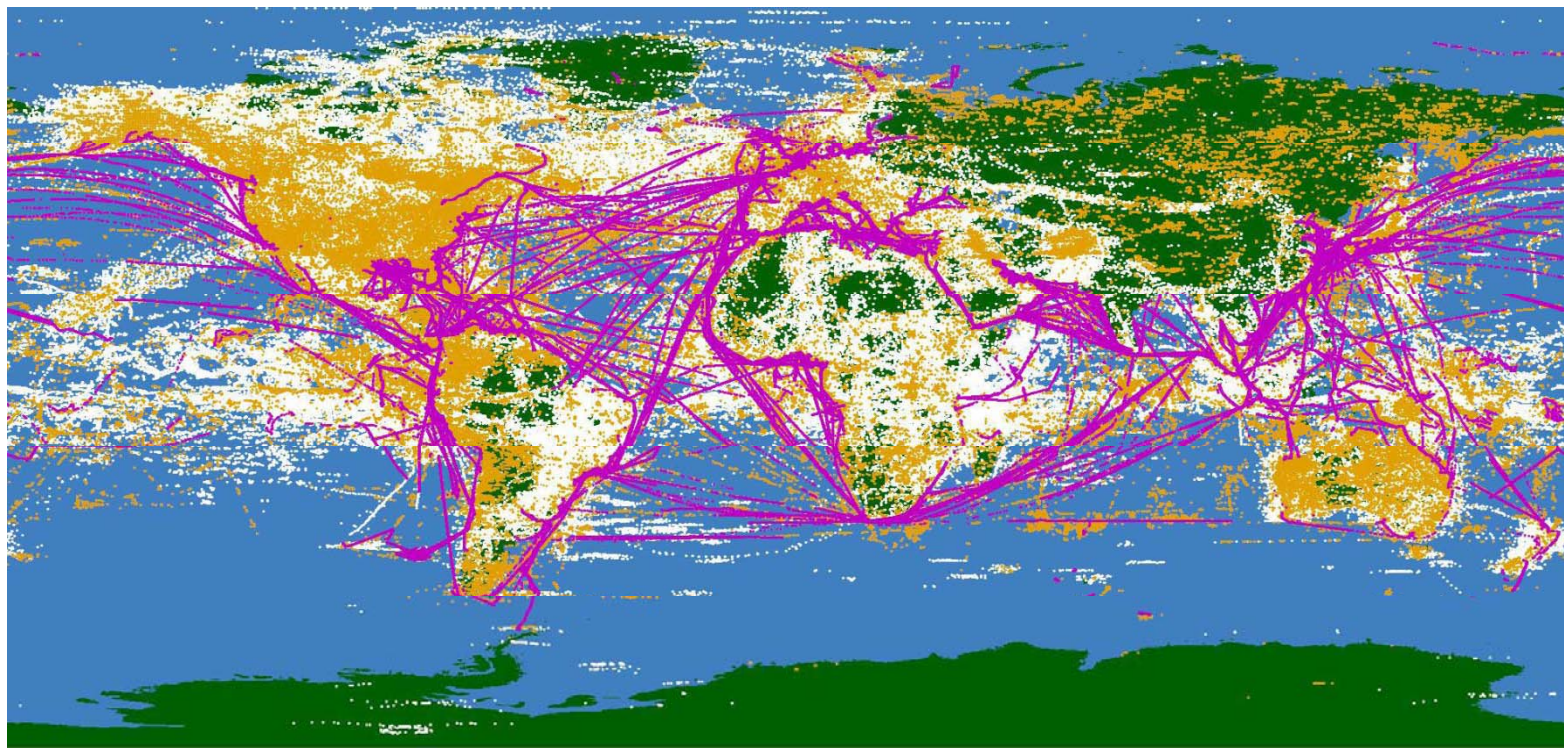
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-  SBD
-  Voice Call
-  Open Port

One week plot of SBD Session, Voice Call, & OpenPort Session Origination Points week of 5/23/10-5/29/10 (Commercial Traffic Only)



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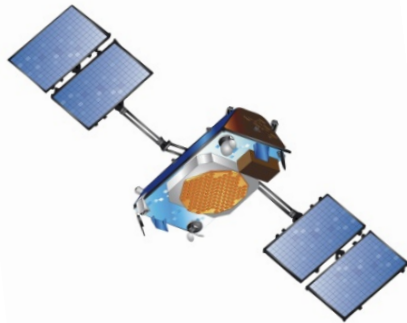
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Iridium NEXT Receives 1.8 Billion Credit Facility

"This represents another important milestone for Iridium, and we are extremely pleased with the interest in our facility and corresponding support for Iridium. The development of Iridium NEXT is in full swing with our prime contractor, Thales Alenia Space, and we're on target to launch the first Iridium NEXT satellites in early 2015." Matt Desch, CEO, Iridium Communication Inc., June 2010



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GTS



Environment Canada

Environnement Canada



Paul Hill, Jim Abraham (Director General of Weather and Environmental Monitoring - Environment Canada) and Mac Macleod sign three year data sharing agreement at the Canadian Meteorological & Oceanographic Society meeting, June 2010 Ottawa

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Thank You

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