Discover How GIS Solutions are Inspiring What's Next in Utilities Sector

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Profile
• 40+ years in business
• Financially strong & growing
• Market leader for GIS
• Large partner network

Goals
• Improving business process through location analytics
• Advancing GIS
• Promoting spatial understanding
We are a professional Geospatial solutions company who inspires, educates and enables our customers with working GIS solutions in partnership with world leading geo-technologies from Esri, Trimble, Harris Corporation and Airbus

Mission
To inspire, educate and enable businesses, governments and educational institutions to leverage geospatial information to make timely, informed and mission-critical decisions.

Vision
A prosperous society impacted by use of geospatial technologies

Values
• Integrity
• Commitment
• Excellence
• Teamwork
2015: ArcGIS – Integrated GIS Platform

ArcGIS

Provisioning Mapping, Analysis, Data Management, and Collaboration

Desktop Web Device

Apps

Access

Services

Online Content and Services

Geoinformation Model
ArcGIS enables everyone to easily discover, use, make, and share maps from any device, anywhere, anytime.
2016: System of Records

Systems of Record – Network Management

As-Built Workflows

IT Systems

Attribute Synchronization

Network Extract

Maps for Mobile Operations

OT Systems

Building Authoritative Network Inventory – System of Record
2017: System of Insights
Utilities and Telecommunications

Cellular Network Analysis
- African Cellular Expert

Power Consumption
- True North Geographic Technologies

Voltage Dashboard
- City of Fort Collins Light and Power
- Bridge Energy Group

Outage Dashboard
- California

Electrical Network Tracing
- Florida
- Schneider Electric

Fiber Management
- Tennessee
- 3-GIS

Tower Modeling Transmission
- Germany
- Geocom Informatik

Real-Time Equipment Tracking
- California
- G11

Inside Plant Visualization
- US
- POWER Engineers

Augmented Reality
- Italy
- OverIT

4G Site Selection
- India

Cellular Network Analysis
- Africa
WE LIVE

In a Complex . . .

. . . and Interconnected World

Constantly Changing . . .

Nature

Oceans

Plants

Animals

Climate

Water

Ecosystems

Atmosphere

Human

Resources

Communications

Technology

Agriculture

Population

Land Uses

Buildings

Energy Networks

Cities

Transportation

Nature

Geography
The Pace of Change Is Accelerating
Creating Many Challenges

Threatening Our Natural World
and Our Future as Humans

We Are Now at a Place
Where No Humans Have Been . . .

We Need More Understanding
. . . Collaboration and
. . . Action
What Should We Do Next?
Apply the Power of Digital Geography

Envision
What’s Possible

Create Sustainable Development

Make Cities Smarter

Integrate Environmental Thinking

Protect Biodiversity

Engage Citizens

Design with Nature

Improve Productivity and Efficiency

Keep Moving, Learning, and Understanding...

Leverage Our Best Technology, Geographic Science, and Holistic Design Thinking
Leveraging the Power of Geography . . .

**THE SCIENCE OF WHERE**

A Framework and Process

Geographic Knowledge

- Data Management & Integration
- Visualization & Mapping
- Analysis & Modeling
- Planning & Design
- Decision-Making

Action

Measuring

Analyzing

Understanding

Collaborating

*Leveraging the Power of Geography . . . to Make Better Decisions*
The Science of Where Is the Foundation
For Applying Geography Widely
What Is GIS Today?
A System for Managing, Analyzing, and Applying Geographic Information

Integration
Leveraging Location . . . and Technology

Communication
. . . Maps and Visualization

Analytics
Geographic Sciences . . . and Modeling

. . . and Solving Problems Holistically

A Platform for Organizations . . . . . . and Society

Understanding
GIS Is Advancing Rapidly
Integrating and Leveraging Many Innovations

Data
Computing
GIS Innovation

THE SCIENCE OF WHERE

Easier, Open, and Accessible

Expanding the Power of GIS

Web GIS
GIS Is Advancing Rapidly
Integrating and Leveraging Many Innovations

- Remote Sensing
- Scientific Measurements
- Demographics
- Drones
- Imagery
- Traffic
- 3D
- CrowdSourcing
- Real-Time
- IoT
- Full-Motion Video

Expanding the Power of GIS
Easier, Open, and Accessible
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Remote Sensing
Scientific Measurements
Demographics
Drones
Imagery
Weather
Traffic
3D
Crowdsourcing
Lidar
Real-Time
IoT
Full-Motion Video
Mobile
Big Data
SaaS
Cloud
Web Services
Faster
Containerization
Machine Learning / AI
Distributed Computing
Microservices
Networks
Virtualization

Web GIS
Easier, Open, and Accessible

Expanding the Power of GIS
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Web GIS
Easier, Open, and Accessible

Expanding the Power of GIS
Web GIS Is the Modern GIS Architecture
Helping Everyone Do Their Work Better

Leveraging Web Services

Distributed and Interconnected

Engaging Everyone

Sharing and Collaboration

Communities

Organizations

Departments

Teams

Individuals
Web GIS Is Driving Digital Transformation

Helping Organizations Reenvision Their Workflows

Changing How Organizations as a Whole . . .

. . . Do Their Work
What Makes Web GIS So Compelling?

Easy, Accessible, and Interconnected . . .

. . . Fueled by Powerful Data and Analytics

. . . a Whole New Approach
Web Maps Engage and Interconnect . . . Everyone
Providing a Common Language

Supporting Communication and Real-Time Awareness

Communities

Organizations

People
Apps Take The Science of Where . . . Everywhere
Making Your Work Widely Available . . .
. . . Taking GIS to the Edge
Location Intelligence Helps Us Understand . . .

. . . Everything

Opening Spatial Analytics to Everyone
Interconnected Information, Processes, and Workflows . . .
. . . All Happening at the Same Time
Digital Transformation Is Just Beginning . . .

We Are Living in an Era of Exponential Technological Advancement

Web GIS Is Already Playing a Fundamental Role . . .

. . . Integrating Geography Into Everything We Do
How Do We Take the Next Step?

Embrace Digital Transformation . . .
. . . and Leverage The Science of Where

Create a Geoscience-Based Foundation for Our Future
Rapidly deploy initial operating capability to everyone then develop custom apps and integrate with other systems.
You are all invited

1st Uganda User Group Conference

14 September, 2018 | Hotel Africana, Kampala