



REUTERS/Kevin Lamarque

AUMENTUM WORKSHOP

LATIN AMERICA GEOSPATIAL FORUM 2015

NOVEMBER - MEXICO



THOMSON REUTERS

AGENDA

- **Thomson Reuters worldwide presence**
- Aumentum key concepts
- Aumentum Suite review
- Registry, Cadastre and Others
- Q&A



- Thomson Reuters is the world's leading source of intelligent information for governments, businesses and professionals
- We combine industry expertise and innovative technology to deliver critical information to leading decision makers
- We are the world's most trusted news organization
- We serve professionals in the financial and risk, legal, tax and accounting, intellectual property and science and media markets

THOMSON REUTERS - GLOBAL PRESENCE

We employ approximately 60,000 people and operate in over 300 cities and 100 countries.

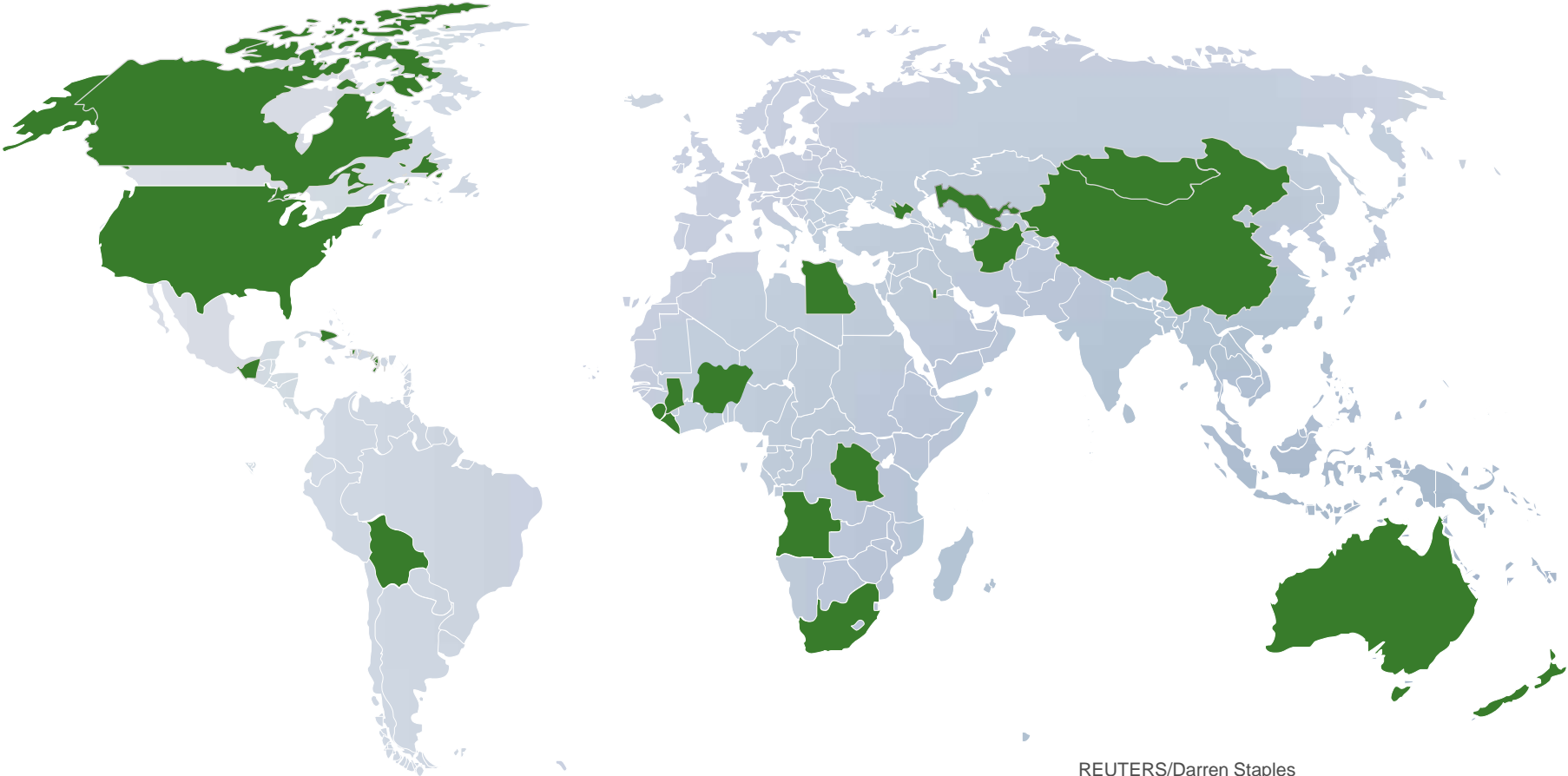
Our Top 10 Locations Ranked by Numbers of Employees are:

1. Eagan, MN, U.S.A.
2. Bangalore, India
3. London, U.K.
4. New York, NY, U.S.A.
5. Manila, Philippines
6. Hyderabad, India
7. Beijing, China
8. Bangkok, Thailand
9. Buenos Aires, Argentina
10. Toronto, ON, Canada



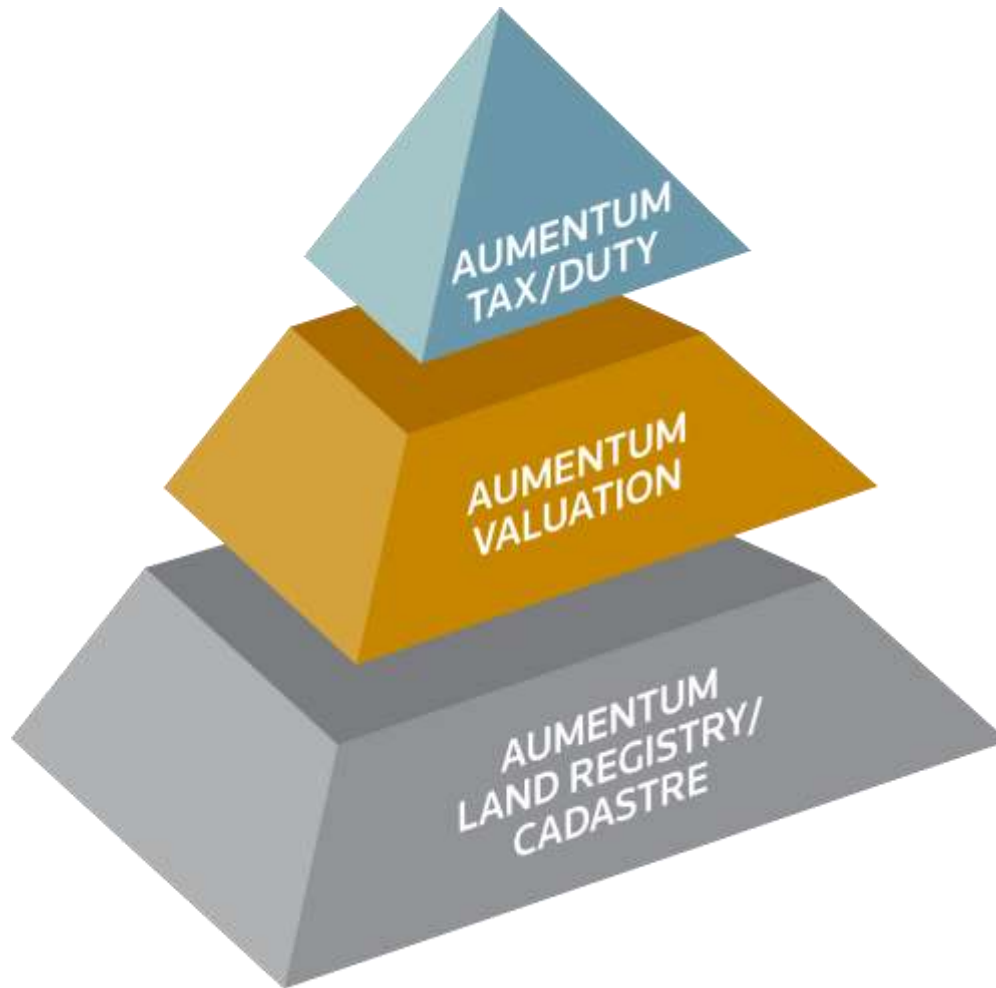
REUTERS/Darren Staples

THOMSON REUTERS – PRODUCT IMPLEMENTATION



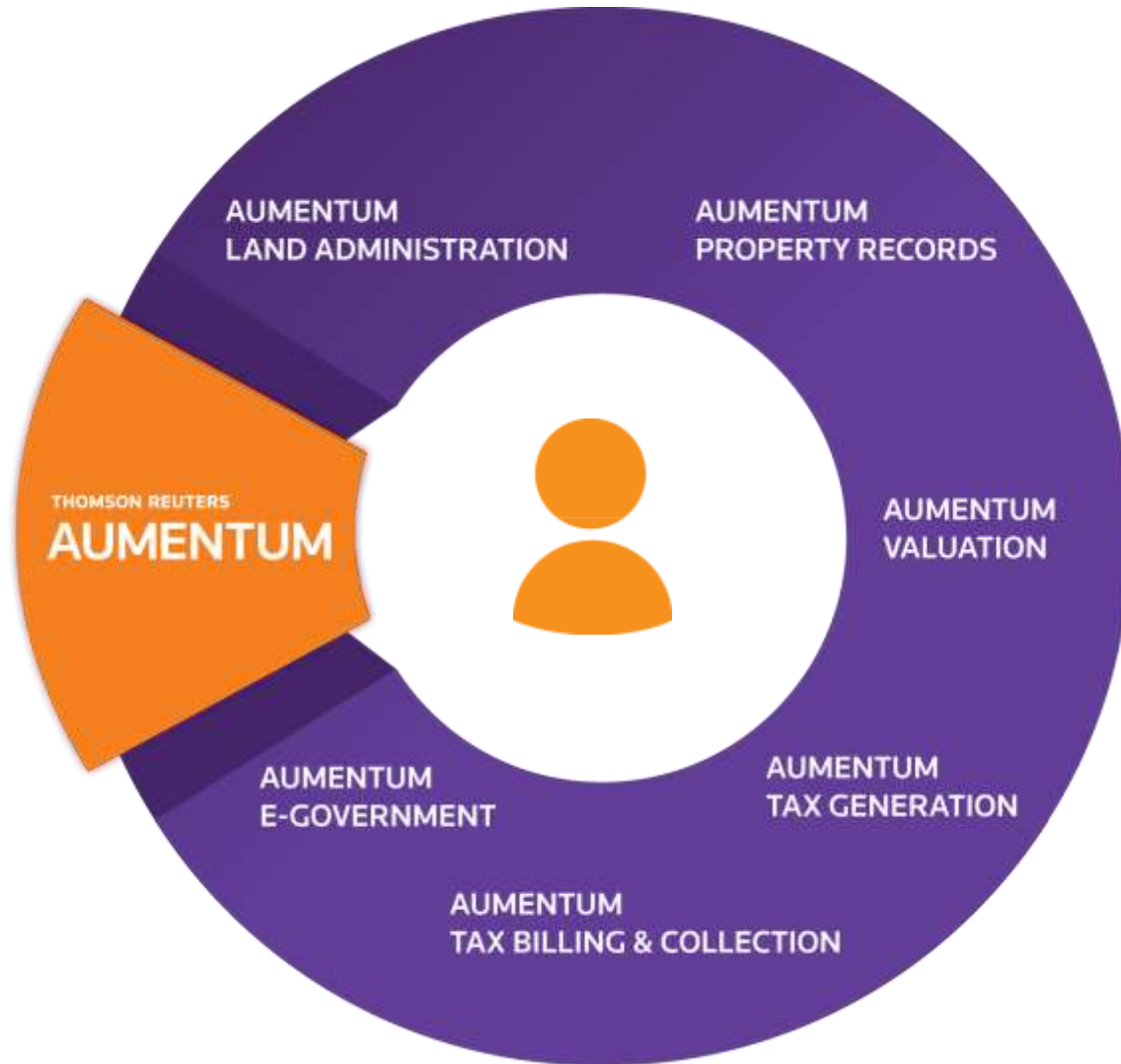
REUTERS/Darren Staples

PLATFORM SCALES WITH GOVERNMENT PROVIDES FOUNDATION FOR SMART CITIES



AUMENTUM helps governments at a foundational level to automate the internal office functions of managing land & property ownership rights, automating mass appraisal valuation process and property fee/duty collection.

HOW DOES THIS BENEFIT OUR CUSTOMERS?



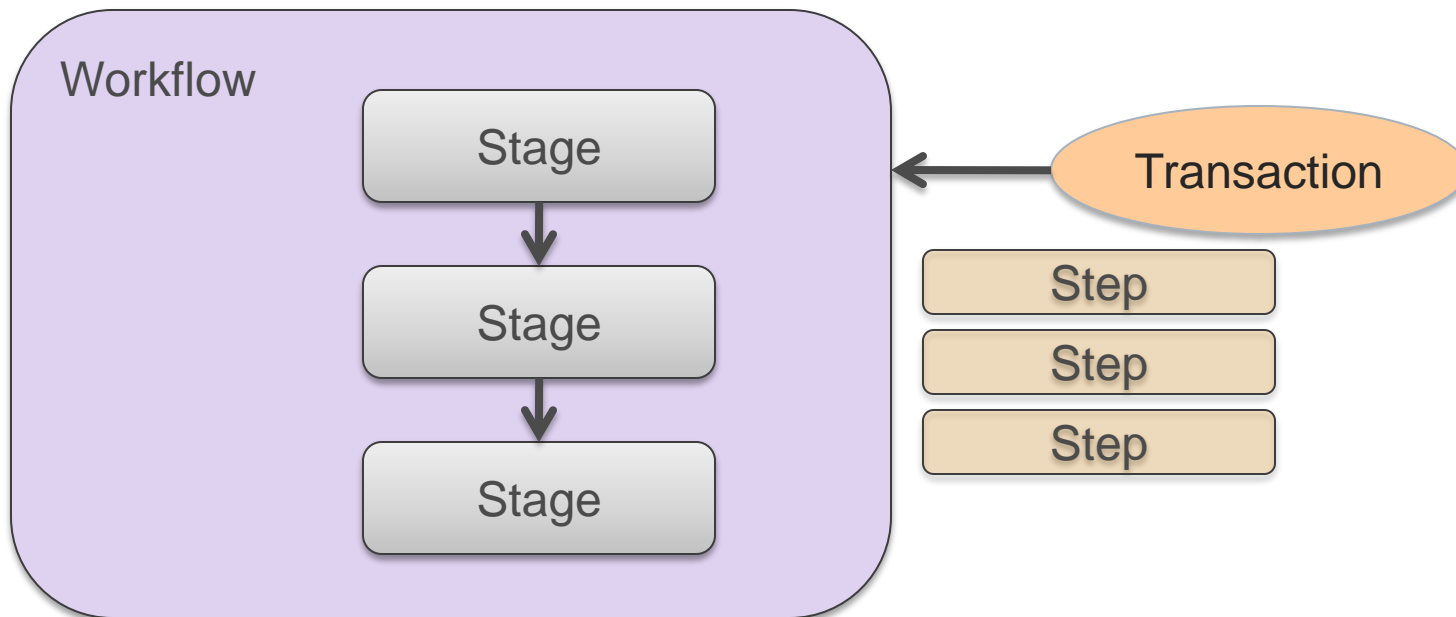
AGENDA

- Thomson Reuters worldwide presence
- **Aumentum key concepts**
- Aumentum Suite review
- Registry, Cadastre and Others
- Q&A

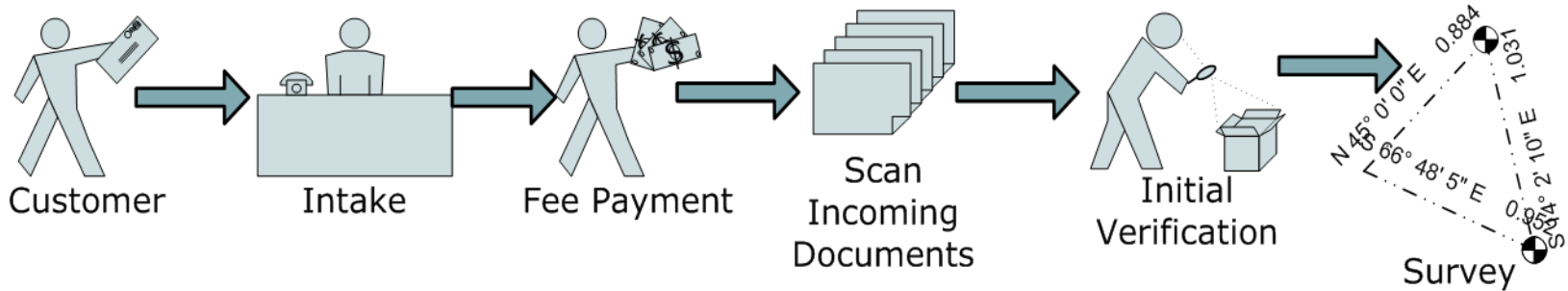
KEY CONCEPTS

Aumentum is a workflow driven, rules based enterprise solution for Land Administration.

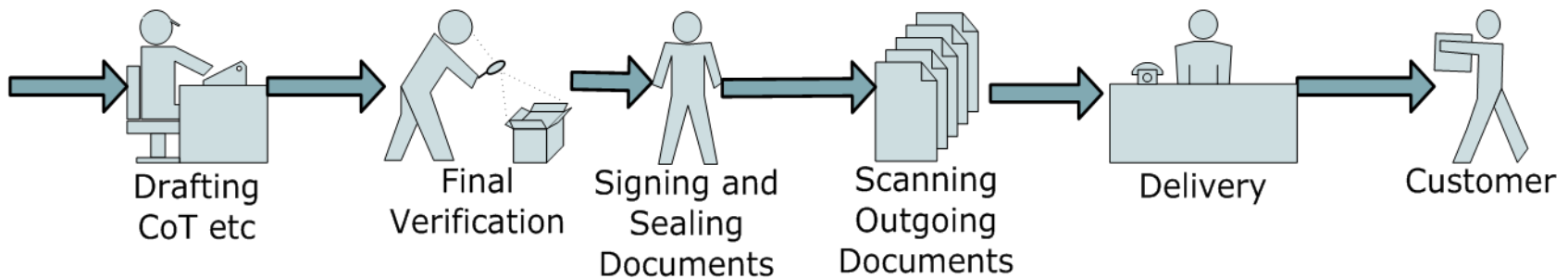
Key concept of Workflow in Aumentum



EXAMPLE OF A WORKFLOW



- 1
- 2
- 3
- 4
- 5
- 6



- 7
- 8
- 9
- 10
- 11
- 12

AGENDA

- Thomson Reuters worldwide presence
- Aumentum key concepts
- **Aumentum Suite review**
- Registry, Cadastre and Others
- Q&A

THOMSON REUTERS

AUMENTUM RECORDER

Manage property records and vital documents

| Document # | Instrument # | Sequence # | Document Type | # of Pages | Index Status | Date Received |
|------------|--------------|------------|---------------|------------|--------------|---------------|
| 12833252 | 2011-300862 | 0 | AFFIDAVIT | 2 | Indexed | 01/16/2012 |
| 12833253 | 2011-300863 | 0 | AFFIDAVIT | 2 | Indexed | 01/16/2012 |
| 12833254 | 2011-300864 | 0 | AFFIDAVIT | 2 | Indexed | 01/17/2012 |
| 12833255 | 2011-300865 | 0 | AFFIDAVIT | 2 | Indexed | 01/16/2012 |

- Visual Workflow
- Full Cashiering
- Web Public Access
- Security
- Automated Redaction and Indexing
- E-Recording
- Multitasking
- Integration

ALLEGAN COUNTY

Allegan County Provides Increased Services Despite Staff Cuts

“Aumentum has freed my staff’s time to personally tend to the needs of the public. Even though we’ve had staff reductions of about 20 percent, we can now get the basic work done in a very fast, accurate and efficient manner, so when constituents walk in, we can spend time assisting them. Our staff finds that very rewarding.”

*Joyce A. Watts
Allegan County Clerk-Register*

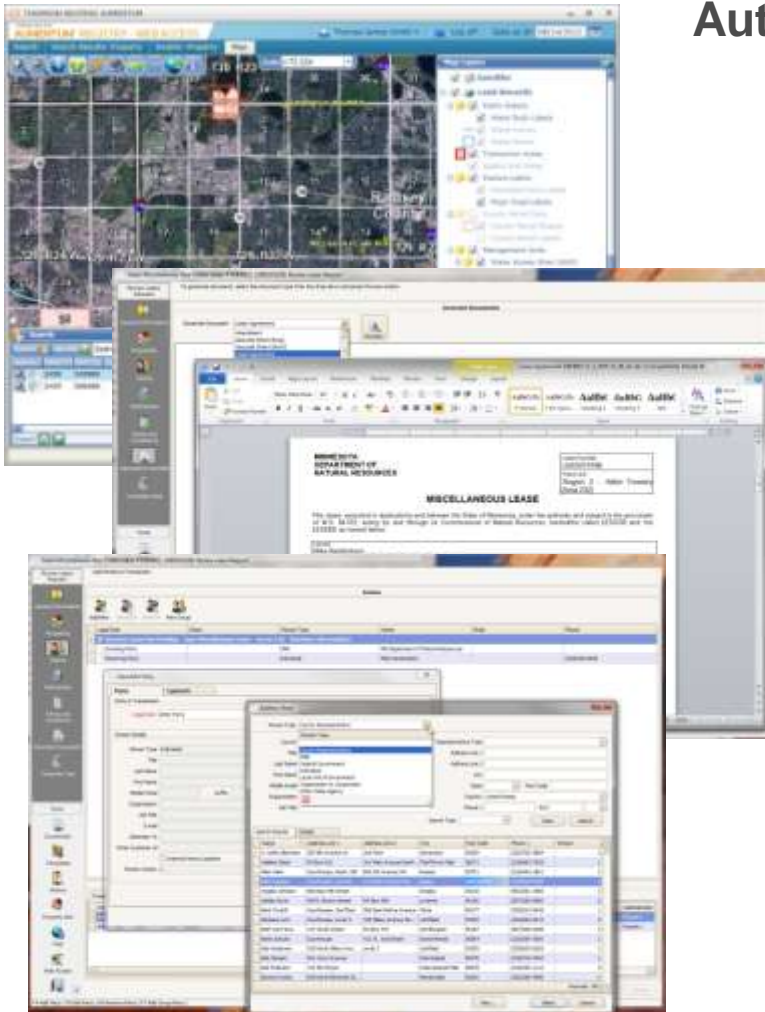


THOMSON REUTERS

AUMENTUM REGISTRY

Automate and manage land records.

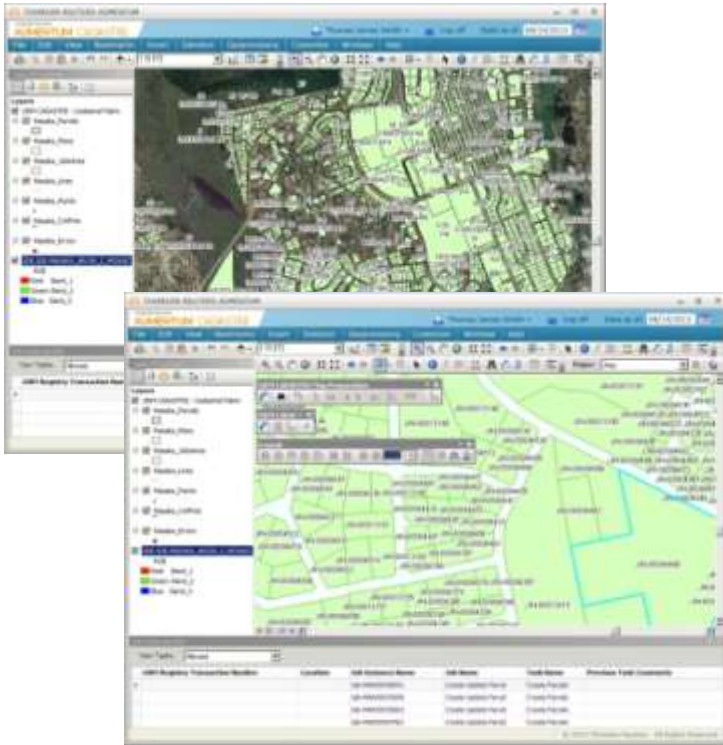
- **Simplify** the land administration process and increase turnaround time
- **Reduce** the number of touch points public and private clients interact with in the process
- Better manage transactions and increase **transparency**
- Integrated with Cadastre to provide a complete cadastre solution



THOMSON REUTERS

THOMSON REUTERS

AUMENTUM CADASTRE



Create and maintain integrated geographic data.

- Powered by OEM **ESRI ArcGIS™** Desktop and Server technology. Can also be deployed as an extension to existing ESRI licenses
- Capture, **integrate** and present cadastral data based on Arc Editor
- Data storage, access and maintenance of **cadastral data**
- Web based access to cadastral and relevant background data

JAMAICA

Jamaica Transforms Government Services with Automated Land Registration
2 days to register a new property, from 45 days 10 years ago

"It was expected to receive poor service in a government office. Just four years after implementation of our Land Registration solution, NLA won the Prime Minister's Trophy for superior customer service."

*Elizabeth Stair, CEO
National Land Agency (NLA), Jamaica*

TRANSITION TO AN EXECUTIVE LAND AGENCY

Improving customer service by streamlining operations

Shortened the land registration process for citizens

from

15

business days

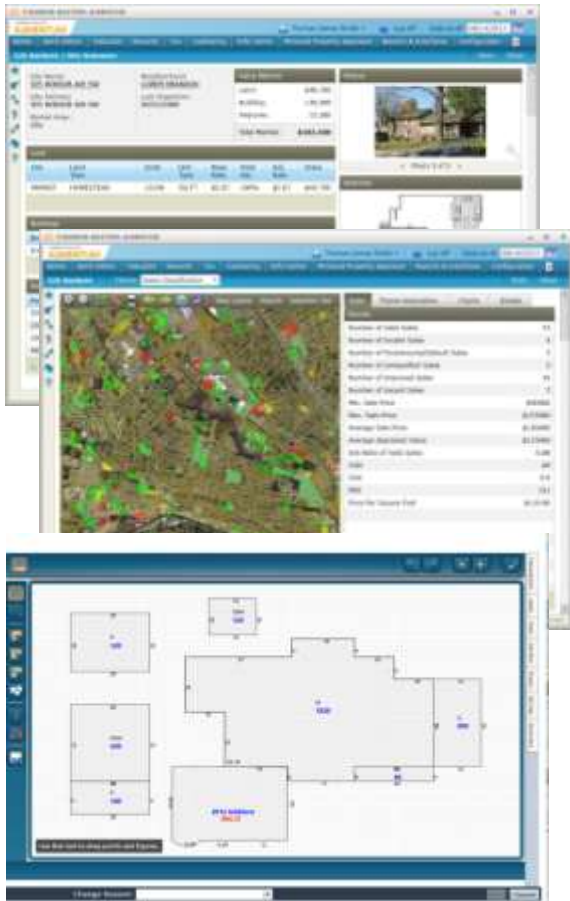
down to just

2

business days



AUMENTUM VALUATION



Accurately and fairly value any property.

- **GIS Integration** with ESRI's ArcGIS® Server
- **Sketch integration in a browser environment.** Our level of sketch integration is unparalleled in the Appraisal industry.
- **Pictometry Integration** Easy access to oblique and ortho images to measure area, perimeter and height of any property without ever having to leave the office. As an alternative to field visits, these desktop-valuations offer significant cost savings.
- **Flexible valuation engines** Providing multiple types of income, cost and market approaches to value
- **Analysis tools** which provide decision support for the building of valuation models as well as the statistical validation



CAPE TOWN, SOUTH AFRICA

Increase in Productivity & Real-Time Responses to Property Owners

“Using Thomson Reuters software, we can capture objections in real-time and issue an immediate acknowledgment to the property owner...the workflow-centric system... helps us to become more efficient while reducing errors and increasing productivity.”

*Christopher Gavor
Director
City of Cape Town Valuation Department*

AN INNOVATIVE APPROACH TO PROPERTY VALUATION

Increasing transparency improves accuracy

In just

3

years

the City of Cape Town reduced
taxpayer objections by nearly

2/3^{rds}

From

100,000

to

36,000

Since the year 2000,
the city of Cape Town
has added

236,154 properties
to its tax roll

with an increase
in assessment of

330%

"If [the taxpayer is] going to receive an assessment notice and in turn a property tax bill you need to make, what could be a very complicated matter, simple and straightforward so that they understand the basis for your assessment and they feel that they've been treated fairly and equitably like all of the other residents or even commercial property owners."

*Robert Young
Director, Department of Assessment and Taxation
State of Maryland*

STATE OF MARYLAND

**'A-' Rating in COST Scorecard for State
Property Tax Administrative Practices**

Efficiently manage property taxes. Maximize revenue.

Key product features include:

- Built in **cashiering**
- **General ledger** integration
- Unlimited **event and transaction log**
- **High speed processing of batch remittance files** from lenders, individual and other institutions
- **Rich reporting** capabilities (prescheduled – email notification)
- **Management console to show breakdown of collections in real time** by location, source and service
- **Year to year comparison of collected revenue** capabilities, valuable for **spotting trends** and the **development of projections**



WASHOE COUNTY, NEVADA

An aerial photograph of a city, likely Reno, Nevada, showing a dense urban area with various buildings and streets. In the background, there are large, rugged mountains under a clear blue sky. The image is used as a background for the text overlays.

Flexibility of Aumentum Tax allows county to react to increasingly complex property tax legislation. Automates tasks and streamlines tax bill collections.

“Thomson Reuters is a forward thinking company and their software does not become obsolete quickly.... Established and proven.”

*Tammi Davis
Washoe County Treasurer*

AUMENTUM E-GOVERNMENT

Your virtual government office.

- Full featured eGovernment solution
- Only national hosted solution
- Serves as a customer's "Virtual Courthouse"
- Complete suite of e-commerce features, including:
 - Property information
 - On-line payment options
 - Access to recorded documents
 - Fast, secure and easy to use
 - Clients control look, feel and content
- Helps to reduce foot traffic in offices by as much as 30% and provides constituents with the ability to submit faster and more timely payments





GWINNETT COUNTY

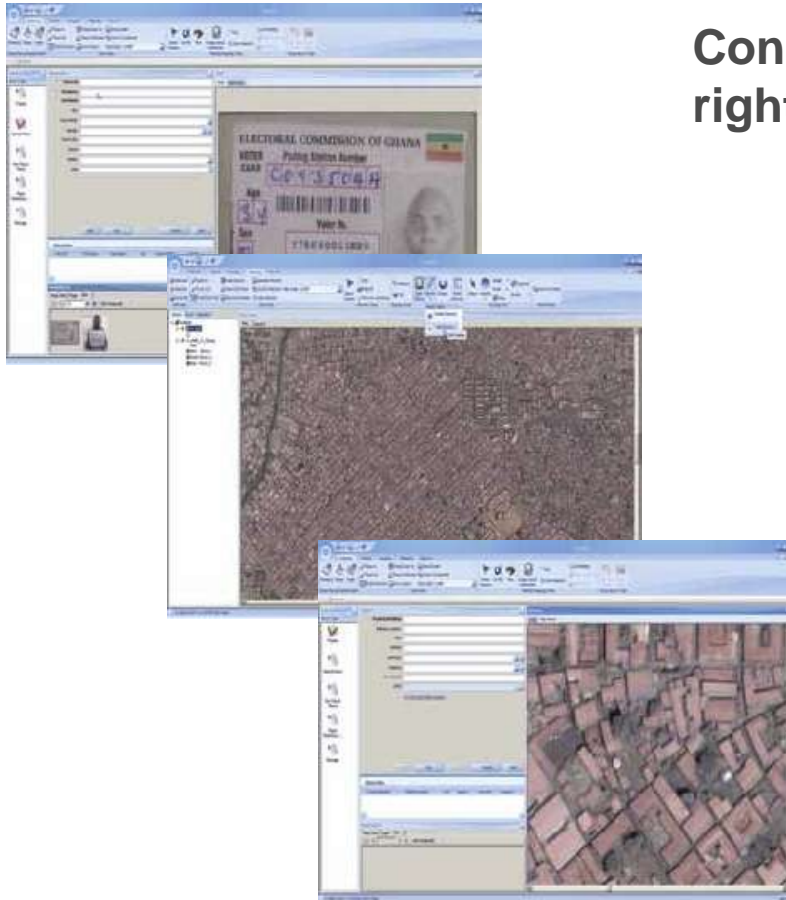
PROVIDES REAL-TIME SERVICES TO CONSTITUENTS

“Aumentum eGovernment is so easy to manage, it gives us the capability to ensure that all tax information is constantly updated... and we’re really pleased with the ease and the speed by which we can make content changes to the website.”

*Richard Steele
Gwinnett County Tax Commissioner*

AUMENTUM OPEN TITLE

Conduct rapid inventory of de-facto land rights.



- **Easy to use**, simple and affordable
- Securely enter, store and map data securing land rights
- **Manage** and enhance images
- Parcel Management through spatial editing and version management
- Analyze activity reports
- Define access rights and permissions
- Based on the STDM model
- Partnering with governments around the world to solve secure land rights through technology

LIBERIA

Through War and Peace, Liberia's Land Legacy: Technology is helping to heal the war wounds and resolve the land crisis



LIBERIA'S LAND LEGACY: THROUGH WAR AND PEACE

Ensuring peace and prosperity

Since early 2012, CNDRA staff members at the Scanning Laboratory have used OpenTitle to digitize and index close to

6,000
deeds

representing almost

15,000
individual pages.



Some counties are seeing a 20% increase in registrations.

AGENDA

- Thomson Reuters worldwide presence
- Aumentum key concepts
- Aumentum Suite review
- **Registry, Cadastre and Others**
- Q&A

Registry, Cadastre and Others

- Registro
- Catastro
- Others

Q&A





THOMSON REUTERS