
T.A. GEOFORCE

RELEASE THE POWER OF DATA USING AI POWER



Invest in innovation

T.A. Geoforce continues to evolve to be what our clients need us to be. What they need to win has guided and we invested into innovation since 2010. Around the world, all in service to our clients, we built a strong solutions portfolio for the hybrid world, in which our clients operate, by providing leading technology and data management platforms in end-to-end applications and networks with dedicated service professionals, backed by a thriving ecosystem so they can move at their own pace.

We measure the quality of our work by our client's success and business outcomes by unlocking new data centric business models. T.A. Geoforce is transforming companies and organizations on an end-to-end basis with AI solutions.



40%

growth in data volume per year

90%

data in the world has been
created in the last two years

\$100B

by 2020 Big Data value

“why innovation means so much to us, it's our chance to engage with you and build great businesses together and together we can help the world run better improve people's lives”

-Konstantina Vardi,
Managing Director, T.A. Geoforce

Big Data and AI innovation

- Innovation means listening to your customers
- The best practices for modern application development.
- Start with modern application development today

We help companies implement the right technology

to enhance their operations,
uncover new insights and
strengthen their business.

Big data, machine learning and predictive analysis has already evolved from being just a new exotic product to an essential mainstream instrument for many verticals & market sectors. T.A. Geoforce's dedicated team of data scientists, data analysts and developers is ready to execute a complete project of any scale from initial data analysis & consulting to target models

& software development, including integration into an existing IT landscape. T.A. Geoforce has been developing complete and integrated software featuring the tools professionals need for remote sensing, digital photogrammetry, image analysis, map production, mosaicking and more. Our strength lies in our uncompromising dedication to being second to none in the imagery processing pillars that are at the foundation of the geospatial world.



NATURAL DISASTERS LOSS



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Natural Disasters Loss provides AI services for predicting the impact of natural disasters to the local economy.

Direct losses result from the destruction of assets from the initial impact of the natural disasters and include the loss of human lives, roads, power and phone lines, crops, factories, homes, and natural resources. While costs are harder to estimate than direct losses, indirect losses that occur from the destruction of physical assets can be quite significant.

These losses include lost production and sales, incomes and labor time, increased commute times and transportation costs from goods having to be rerouted, decreased tourist activity, and utility disruptions. The decreased economic activity also results in lost taxable receipts and uses up federal disaster relief funds in order to help clean-up, repair, and replace lost assets.

Natural Disasters Loss is an AI tool that can be used from local governments to private sector (insurance, construction etc.).

SOLAR POWER ESTIMATOR

Solar Power Estimator is a WebGIS application for calculating the potential of electrical production installing photovoltaic panels. Also, provides AI analytics for predicting the cost of PV construction, the electric production and the changes of need to electrical power for the next years.

EU Targets for 2030:

- a 40% cut in greenhouse gas emissions compared to 1990 levels
- at least a 27% share of renewable energy consumption
- indicative target for an improvement in energy efficiency at EU level of at least 27% (compared to projections), to be reviewed by 2020 (with an EU level of 30% in mind)
- support the completion of the internal energy market by achieving the existing electricity interconnection target of 10% by 2020, with a view to reaching 15% by 2030

Having maritime with AI thinking

Big Data Analysis

Data play a key role in the design of ships in the future, bringing together the findings from sensors in order to improve the resilience of designs in the future. The ability to analyze huge volumes of shipping data to drive decisions on further improving vessel operations.

Predictive Services

Our predictive models use variable selection algorithms and best-practice, cross-validation methods to break through the noise in big data, pinpoint important variables, and deliver accurate predictions of market outcomes.

Deep Learning Analytics

Detect known and previously unknown shipping events, ship to port, ship to ship with satellite images unleash the power of deep learning and recognizing patterns in real-time.

Strong Mapping Visualizations

Today, most big data has been enriched with location information that mainstream BI tools simply can't process and display at granular levels. Our breakthrough technology is able to instantly display up to billions AIS signals in interactive maps and charts.



2,400
Vessel Tracking



4,510
Satellite Images



1,800
Shipping Companies



5,500
Port Congestions

COMPANY LOCATION

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