



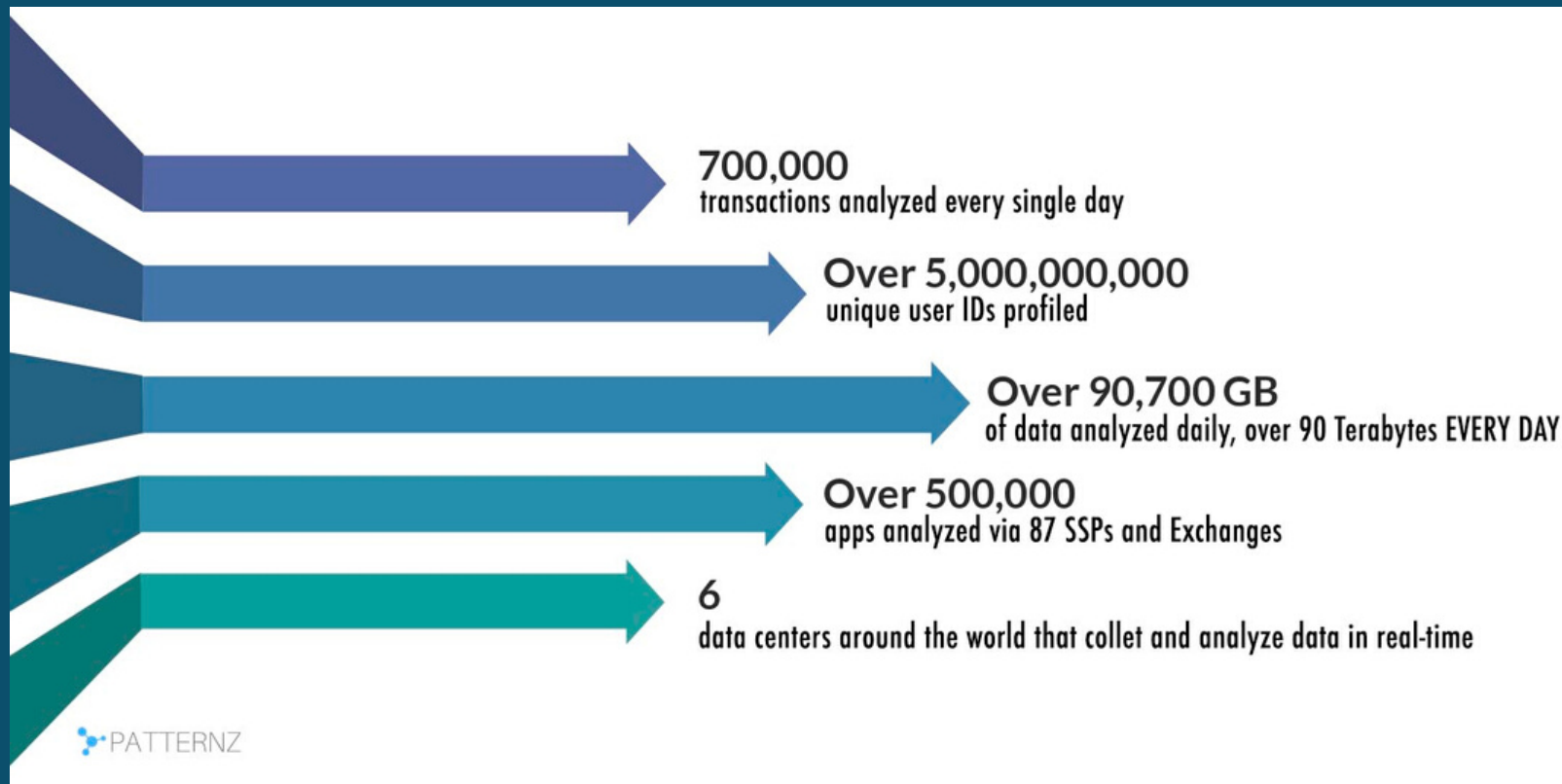
Sovereign
Systems

PATTERNZ

NATIONAL SECURITY PATTERN DETECTION

CELLPHONE: TRACKING, TRACING & MONITORING

WE HELP NATIONAL SECURITY AGENCIES DETECT AUDIENCE PATTERNS AND USER BEHAVIOR USING DIGITAL ADVERTISING DATA MINING AND ANALYTICS

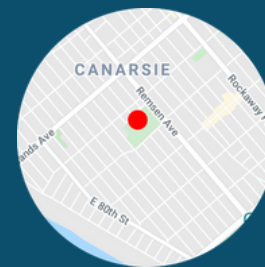


ADVERTISING BASED INTELLIGENCE PLATFORM

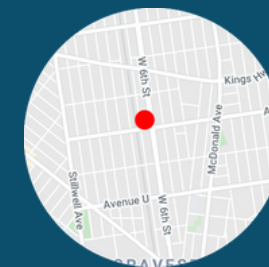
PATTERNZ allows national security agencies utilize real-time and historical user advertising generated data to detect, monitor and predict users actions, security threats and anomalies based on users' behavior, location patterns and mobile usage characteristics.



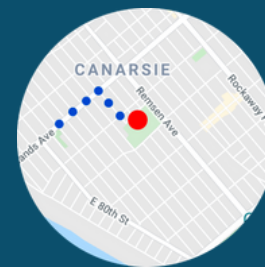
Mobile Applications



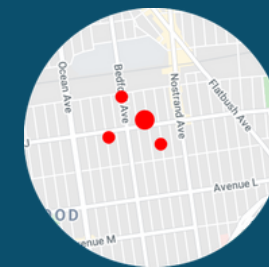
Home Zone



Work Zone



Driving Path



Who's Nearby

FUNCTIONAL AREAS

Use these advanced features from Web interface or APIs

DETECT

Detect threats in real-time based on history, behavior and location

TRACK AND MONITOR

Track and monitor specific users. Find Points of interest, home zone, work zone, people nearby.

GEO Trapping

Find, get alerts and monitor users who arrive to specific locations



SINGLE USERS

Get the full picture about a user. Locations, apps used, countries visited, frequent nearby users and much more

GROUPS

Find clusters of users in the same location. Monitor and track group activities, movement and locations

PREDICT

Get alerts of users, groups and locations that become or show suspicious behavior based on our Deep Learning technology

BACKGROUND

- Mobile Realtime bidding technologies have been the dominant advertising and personalization methods in the last 10 years
- In order to optimize and personalize the advertising experience, every advertising transaction includes various information about the user such as:
 - Unique device id
 - Mobile app
 - Longitude and latitude of the device
- Whatever information the app manage to "sniff" from the mobile phone such as dates, contacts other installed apps, personal information sets.
- Built on the extensive knowhow of operating a Realtime bidding platform for the last 5 years analyzing and optimizing mobile advertising data
- During this period we gathered unparalleled database of users, their behavior patterns, locations, apps and more



Sovereign Systems

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