TECHNOLOGY FUSION AND R&D FOR BORDER AND PUBLIC SAFETY

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(An Institution of National Importance)

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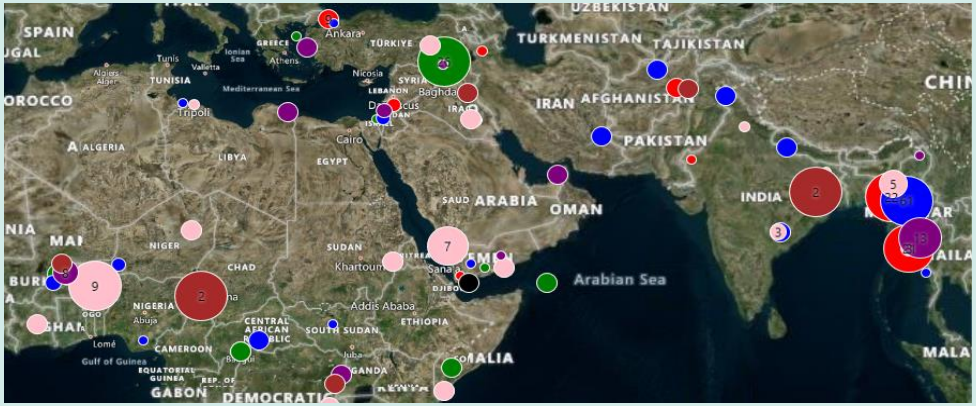
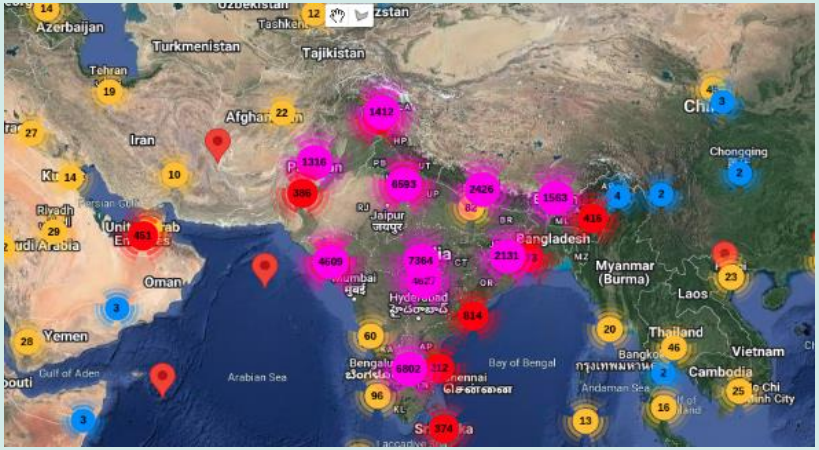
INTELLIGENCE FUSION

- Definition of Intelligence Fusion
- Importance of Intelligence Fusion in Decision Making
- Steps Involved in the Process of Intelligence Fusion
- Challenges Faced by Decision-Maker
- Role of Intelligence Fusion in Overcoming these Challenges
- Benefits of Intelligence Fusion in Providing Comprehensive Understanding of a Situation

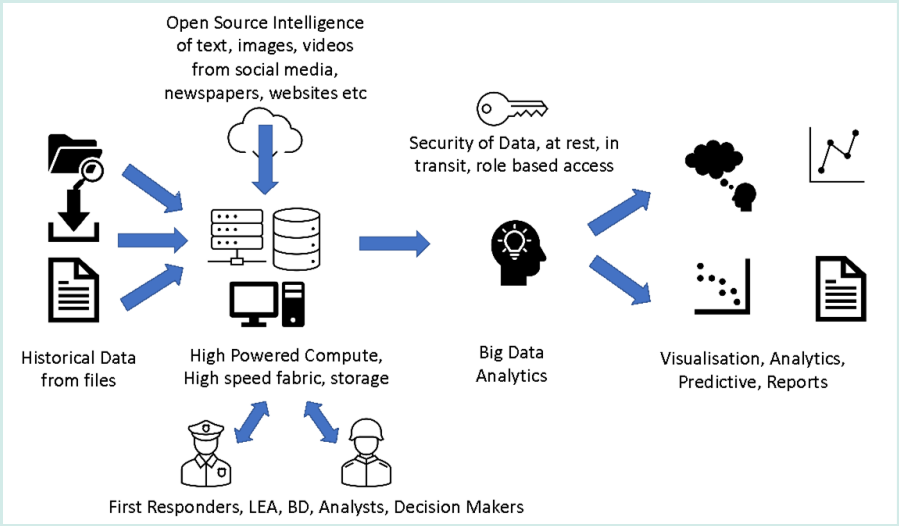


TECHNOLOGY IMPETUS

- Rapid technological development
- Advancement and efficiency
- Automation
- Interactions, Decisions, Control, Transformation.
- Technological Reshaping Homeland Security
- Agile Security: Staying Ahead.



POSSIBLE THOUGHT PROCESS



Ingest & Structure Data

- Accept Data in multiple formats including documents, text files, images, PDF's etc.
- Ingest data from Open-Source database defined by the client

Process and Clean Data

- Structure and merge data in a digital repository
- Extract intelligence from data using the following
- Text Classification
- Clustering and Summarization
- Entity Extraction
- Relationship extraction and association

Actionable Insights & Reports

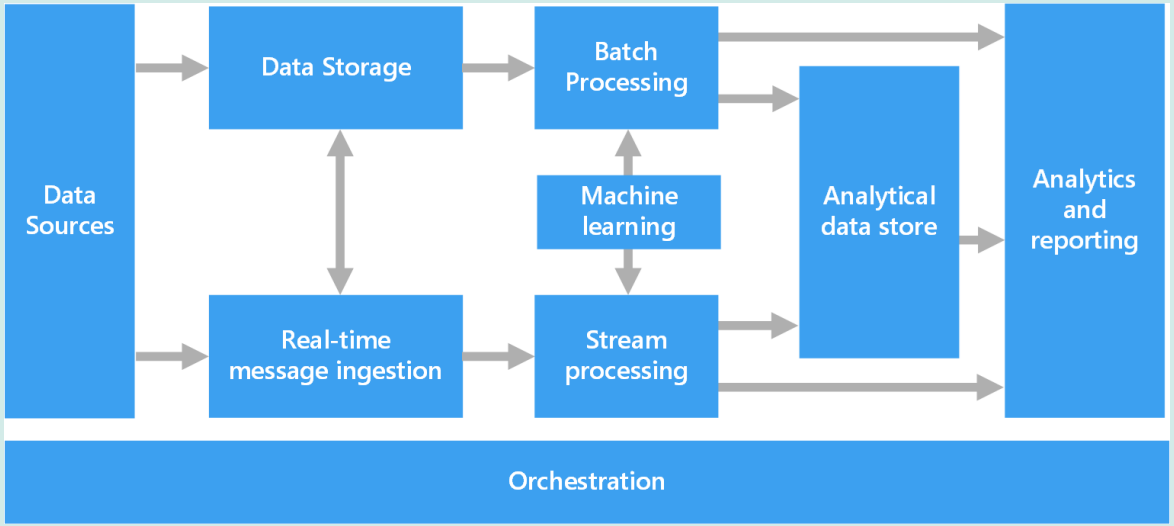
- Relationship charts between disparate entities
- Timeline analysis
- Structured reports
- Aggregate and Join analysis
- Change in Trends and patterns
- Alerts

NEED OF THE TECHNOLOGY FUSION

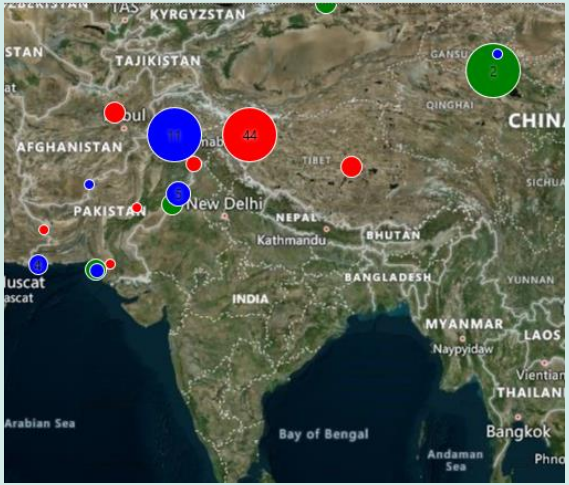
1	Crime and terrorism pose global threats.
2	Law enforcement needs cutting-edge technology to counter emerging threats effectively.
3	AI and ML can help analyze vast and disparate data for actionable insights.
4	Traditional link analysis solutions struggle with big data and unknown unknowns.
5	Next-gen intelligence solutions keep law enforcement ahead of criminals.
6	Law enforcement relies on diverse sources and formats of intelligence.
7	Enormous data must be processed and converted into actionable intelligence.
8	Challenges include the 5 Vs: volume, velocity, variety, veracity, and variability

SCOPE OF TECHNOLOGY FUSION

- Data Warehousing
- Data Processing
- Analytics
- Trends and patterns
- Reporting
- Predictive Analytics
- Security.
- Technology Support.




SPAIN
Ankara
TÜRKIYE
GREECE
Athens
Tunis
Valletta
Ionian Sea
TUNISIA
Mediterranean Sea
Tripoli
Nicosia
SYRIA
LEBANON
Baghdad
IRAQ
IRAN
AFGHANISTAN
TURKMENISTAN
TAJIKISTAN
UZBEKISTAN
CHINA
PAKISTAN
Cairo
EGYPT
LIBYA
ALGERIA
SAUDI ARABIA
OMAN
INDIA
NIGER
CHAD
SUDAN
Khartoum
Sana'a
Arabian Sea
NIGERIA
Abuja
Addis Ababa
ETHIOPIA
SOUTH SUDAN
CENTRAL AFRICAN REPUBLIC
CAMEROON
Lomé
Gulf of Guinea
EQUATORIAL GUINEA
GABON
Juba
UGANDA
SOMALIA
THAILAND
VIETNAM
South China Sea
MALAYSIA
Sulawesi Sea
INDONESIA
PHILIPPINES


KYRGYZSTAN
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Kathmandu
NEPAL
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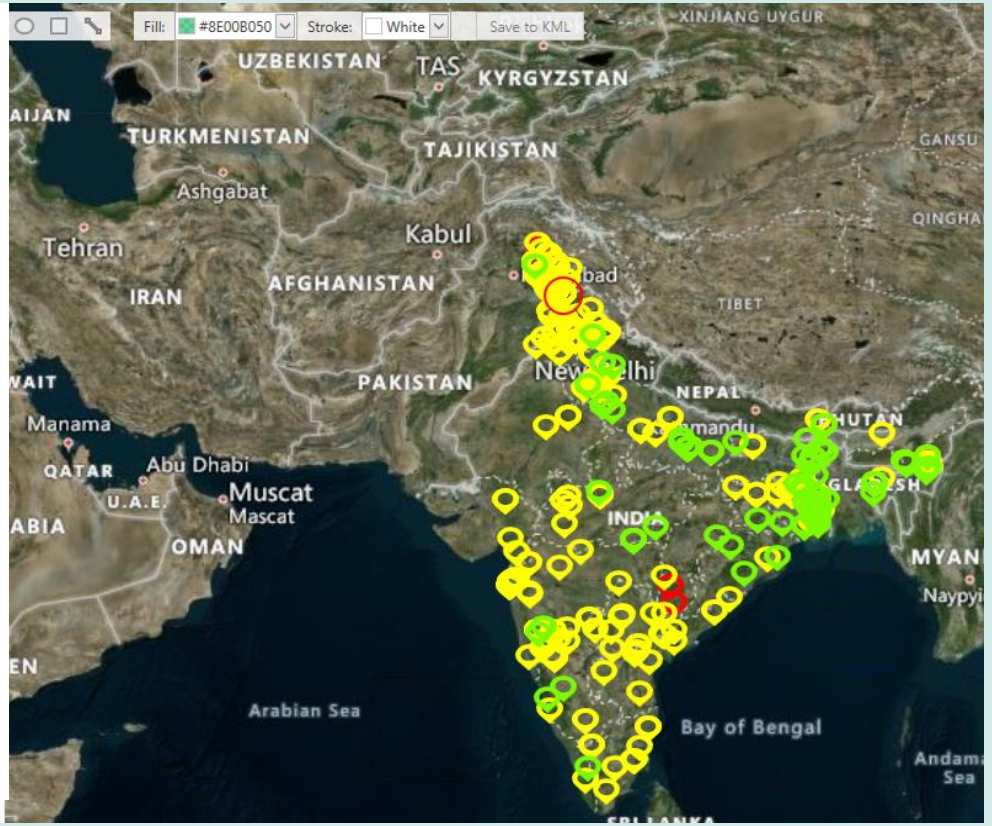
BANGLADESH
INDIA
MYANMAR
Naypyidaw
LAOS
THAILAND
Vientiane
Bangkok
Bay of Bengal
Andaman Sea
Arabian Sea
QINGHAI
TIBET
YUNNAN
CHINA


KAZAKHSTAN
MONGOLIA
UZBEKISTAN
TAJIKISTAN
CHINA
INDIA
MYANMAR
THAILAND
VIETNAM
Arabian Sea

Few examples of attributes that shall be received:

City:
Country:
Description of event:
Event Date:
Event Type:
Information Source:
Fatalities:
Location:
Latitude:
Longitude:
Coordinates:
Impact & Damage Assessment:
Geopolitical Situation:
Terrorist Groups Operating:
Modus Operandi of Terrorist Groups:
Etc.



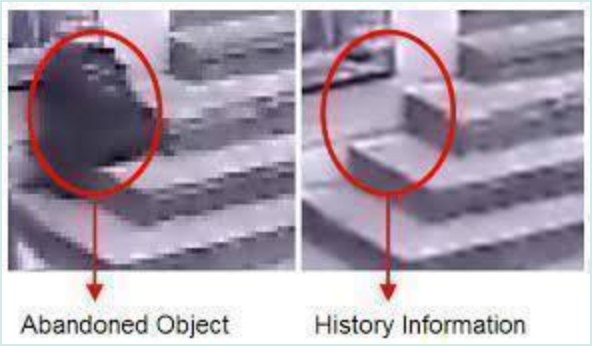
INTELLIGENCE FUSION IMPLEMENTATION

1	Data Ingestion
2	Aggregation
3	Join and Concatenation
4	Date and Time formats
5	Data Transformation
6	Data Integration
7	Data Indexing
8	File System Architecture
9	Sanitisation and Indexing

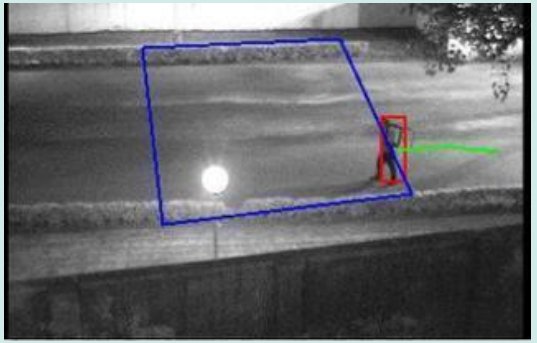
INTELLIGENCE FUSION ADD-ONS

01.
TEXT ANALYTICS AND FACIAL RECOGNITION SYSTEM

02.
ABANDONED OBJECT DETECTION

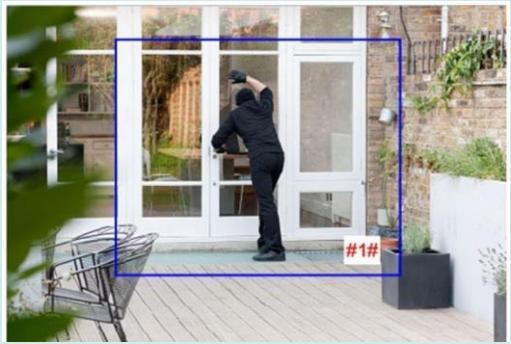


03.
TRESPASSING



INTELLIGENCE FUSION ADD-ONS

04.
ADVANCED INTRUSION DETECTION



05.
WEAPON DETECTION

06.
SUSPICIOUS ACTIVITY DETECTION

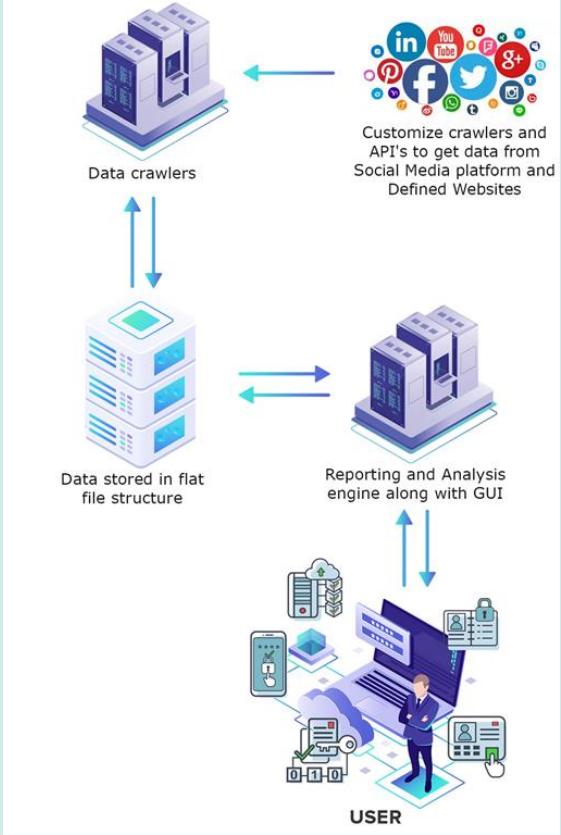
INTELLIGENCE FUSION ADD-ONS

07.
AUTOMATIC NUMBER PLATE RECOGNITION (ANPR)

08.
VIDEO AND IMAGE ENHANCEMENT

INTELLIGENCE FUSION ADD-ONS

09.
OPEN SOURCE AND SOCIAL MEDIA INTELLIGENCE ENGINE



INTELLIGENCE FUSION IMPLEMENTATION BY RRU

- Big Data Analytics System
- Open Source Intelligence system
- Social Media Analysis technology
- Geographic Information System (GIS)
- Dark Web Monitoring
- Cyber Defence Centre

For further queries please reach out to us at:
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