Emergency Response Solution

Computer Vision Based Customized Solution
Emergency Response Solution

Based on self learning deep neural networks (CNN, RNN & LSTM)

Overview
How it works?
Customized workflow as per client needs

- **Input devices at various facilities**
  - Capture and securely stream video to data streams pre-processing application
  - **Dedicated and client hosted** data streams pre-processing application unit for each facility such as office, store and offsite location

- **Data streams pre-processing application**
  - Ingest video stream track unique faces and custom activities across various frames
  - Securely push frames to central application
  - Option to deploy at facility level
  - Resolution/positioning of camera is a critical factor

- **Centralized personnel identification/classification**
  - Populate database with images of employees, contractors, vendors and visitors on Admin platform
  - Create alerts of suspense visitors
  - Create logs for each personnel type and categorize them as in/out of facility
  - Populate logs based on custom activities
  - Create alerts for the activities

- **Business Intelligence**
  - Real-time critical intelligence
  - Compatibility with existing BI tools
  - Create alerts as per business requirement via SMS/email
  - Take effective actions based on last known location of personnel/activity
# Key System Features

## Enterprise Friendly Solution

<table>
<thead>
<tr>
<th>Robust Enterprise Architecture</th>
<th>Seamless Integration &amp; Response</th>
<th>Latest AI Solution</th>
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<tbody>
<tr>
<td><strong>Data Security</strong></td>
<td>• <strong>Seamless Scalability</strong></td>
<td>• <strong>No Additional Hardware</strong></td>
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<tr>
<td>• We work within client framework and IT infrastructure behind the firewall, resulting in no data leak</td>
<td>• We install plug and play application that works with existing CCTV network - results in quick integration and rapid scalability</td>
<td>• We don’t need additional hardware such as RFID, BLE, etc.</td>
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<td><strong>Data Management</strong></td>
<td>• <strong>Optimized Bandwidth</strong></td>
<td>• Large Scale Processing</td>
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<tr>
<td>• We develop custom connectors to pull and push data from existing master data systems to avoid duplicate information</td>
<td>• We deploy pre-processing applications at office/facility level, that send relevant information to central repository</td>
<td>• We utilize our fast proprietary AI algorithms to detect multiple faces in a frame and process data from large scale camera feeds – leads to real time insights</td>
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<td><strong>Data Availability</strong></td>
<td>• <strong>Actionable Customized Reports</strong></td>
<td>• Predicted Attributes for Unknowns</td>
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<tr>
<td>• Our systems reside on client network which enables us to take advantage of existing data disaster management policy</td>
<td>• We build business intelligence for critical decision making</td>
<td>• We have models to predict information for unknown faces - such as age, gender, posture, etc. for quick identification</td>
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<td>• We build custom models to identify activities such as disability, fight, tool operation, etc.</td>
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Few Key Assignments
*Using Face & Activity Analytics*

### Facial Analytics for Insurance Industry
- Predict age, gender, and lifestyle habits
- Detect frauds and reduce policy issuance time

### Emergency Response System for a Leading Oil Major
- Accurately identify employees within various facilities
- Alert if any personnel incident in the facility
- Provide real-time critical intelligence

### Employee Productivity Analysis for a Leading Start-up
- Generate a comprehensive view of time spent by employees in office
- Provide clear action plans on individuals

### Targeted Marketing for Retail Garment Industry
- Market products based on customer age, gender, attire and other attributes in a store
Our Management Team

40+ years of experience in Industrial product development

Navendu Agarwal
CEO & Founder
BS & MS IIT Bombay
Serial Entrepreneur

Ankita Jain
VP Industrial Solutions
BS Mechanical Engineering
Ex Infosys and Caterpillar

Sanjay Bhandari
VP Digital Assistant Solutions
BS IIT Bombay
Ex Oracle
Our Trusted Partners

*Integrating our innovations for global solutions*

- Publicis Groupe
- thesocialclinic
- PivotRoots
- Tarento
- Sodel
- Pangolin Capital