

Capabilities

 Power BI

# Drive Business Growth with Visual Analytics





# About Us

## Overview

 **4000+**  
Employees

 **10**  
Global Offices

 **9**  
Development  
Centers

 **1,00,000+** Sq.ft.  
Office Space

Great  
Place  
To  
Work.  
Certified  
INDIA

**25+**  
YEARS OF  
EXCELLENCE


 **CMMI DEV/5**

## Clientele


 **1500+**  
Clients


 **50+**  
Countries

 **85%**  
Clients Retention

 **22+**  
Industry Verticals

## Achievements

 **2000+**  
Products Engineered

 **1500+**  
Applications  
Developed

 **12+**  
Awards

**< / > 20+**  
Million Development  
Hours

## Partners



**Microsoft**

 **Google Cloud**

 **Magento**

# Certified To Deliver Quality



**ISO**  
9001:2015  
Quality Management

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**ISO**  
27001:2013  
Information Security

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**ISO**  
20000-1:2011  
IT Management

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**ISO**  
22301:2012  
Business Continuity  
Management

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# What We Do

## Team Augmentation

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A team of 4000+ Battle Tested engineers across 100+ Different Stacks.

We are your Digital Factory, dedicated teams to supercharge your development throughput.

0 Operational Overheads.

Agile & On Demand.

## Fixed Scope

---

We offer meticulously crafted project specifications and timelines for cutting-edge development, seamless integrations and feature-rich solutions.

The Sthenos Technologies approach ensures your projects are delivered with precision and excellence.

## Managed Services

---

Our IMS services helps enterprises to run Business as usual.

With strong SLA driven services, 24x7 Support, Governance and Technology expertise, we help to optimize processes and costs.

# Our Expertise

We help businesses wherever they are in their digital journey. From consulting for a **digital transformation** to carving out a **technology roadmap**. Our expertise helps you to **drive ROI** from your digital initiatives.

## Digital Transformation

UX/UI Consulting

Web & Mobility Solutions

Enterprise API Management

RPA

Legacy Modernization

## Digital Product Engineering

Custom Software Engineering

QA Services

Maintenance

Managed Services

## Infrastructure & IT Operations

Cloud Consulting

DevSecOps

Cloud Migration

Cloud Management

## Data Management & Analytics

Data Engineering

Governance

B.I. & Analytics

## Artificial Intelligence

M.L. Models

Model Generation

M.L. Ops

Data Science

## Internet of Things

IoT Consulting

Software Defined Features

IoT Applications

## Innovation Lab

MVP & POCs

Rapid Prototyping

Emerging Tech

## Team Augmentation

Solution Architects

B.A.

Developers

Data Scientists

# Industries Served



Banking & Finance



E-Commerce & Retail



Education & E-Learning



Government/ Semi Government



Healthcare



Insurance



IT & Consulting



Manufacturing



Media & Entertainment



News & Publication



Supply Chain & Logistics



Telecom

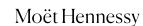
Delivered

**6500+ Projects**

Worldwide Across

**22+ Industries**

# Selected Clientele



The background features a series of thin, light blue lines that originate from the bottom center and curve upwards and outwards towards the right side of the frame, creating a sense of motion and depth against the solid black background.

# Case Studies

# One of India's Leading Real Estate Companies

Developed an integrated dashboard and reporting system to enhance IT services.

Data Integration

User Insights

Reporting

Cloud Services

## Outcomes

### Advanced Data Reporting

- Created a consolidated dashboard, providing deeper insights and better decision-making.

### Efficient Data Management

- Implemented data integration and cleansing processes, ensuring accurate and reliable data for reporting.

### Streamlined Data Access

- Established a data warehouse and connected it to Power BI, facilitating seamless access and visualization of data from multiple sources.

# Solutioning

## Challenges

- Adapting insights according to evolving business and consumer requirements.
- Handling large volumes of data and ensuring peak system performance even as the company scales.
- Integrating data from multiple sources, with varying formats and structures.

## Technical Spotlight

- Utilized Power BI's dynamic features to adjust and customize dashboards based on user feedback.
- Used Microsoft Azure for scalable cloud storage and processing, leveraging its performance optimization features.
- Leveraged SSIS (SQL Server Integration Services) to streamline data extraction, transformation, and loading (ETL) processes.

## Solution Highlights

- Allowed for quick adjustments to meet changing user needs and preferences, improving user engagement and satisfaction.
- Enabled the platform to efficiently manage and process large datasets, ensuring consistent performance.
- Provided a robust framework for managing complex data integrations, automating ETL processes, and ensuring data consistency across sources.

Tech Stack



## Portfolio Overview

Explore your Commercial Real Estate portfolio



PROPERTIES

1,088

VACANT SQFT

2,236,996



UNITS

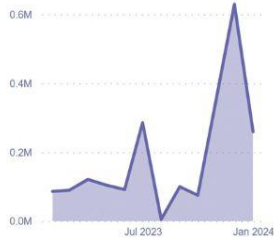
1,227



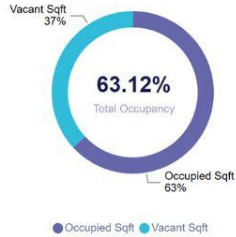
CURRENT AR

7,947,041

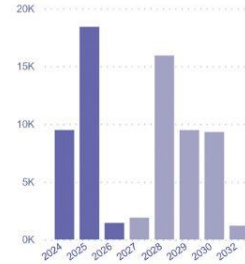
### SUMMARY Assets Under Management



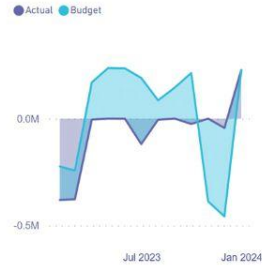
### SUMMARY Area Occupancy



### SUMMARY Expiring Area By Year (SQFT)



### SUMMARY NOI Past 12 Months



WEIGHTED AVG.  
LEASE EXPIRY (YRS)

5.28

YTD NOI



227,273

▼ -102.4% LY



AREA EXPIRING  
THIS YEAR

168,611

YTD REVENUE



207,112

▲ 211.4% LY

Values Shown as of: January 2024 | Data Last Refreshed: 2/29/2024

# A Leading Indian Bank Offering a Wide Range of Financial Services

Developed and monitored dynamic dashboards and reports for analyzing claims.

Dynamic Reporting

Data Cleansing

Security

Real-time Monitoring

## Outcomes

### Better Financial Insights

- Developed dashboards and reports that enhanced data visualization, offering clearer insights into financial claims across departments.

### Increased Data Integrity

- Implemented data cleansing, ensuring higher accuracy and security of consumer claim data.

### Enhanced Reporting Efficiency

- Automated report creation, reducing manual efforts and increasing overall reporting efficiency.

# Solutioning

## Challenges

- Managing relationships and dependencies across multiple tables from different departments.
- Maintaining data security and protecting sensitive financial data while allowing user-specific access.
- Building reports that are flexible for various end-user requirements, such as drill-downs and filters.

## Technical Spotlight

- Used Power Query Editor to merge, append, and manage relationships between tables.
- Utilized Power BI's Row-Level Security to restrict data access based on user roles, maintaining data integrity.
- Utilized Power BI features Drill-Down, Drill-Through, and Slicers to create highly customizable, dynamic reports.

## Solution Highlights

- Automated data preparation tasks, allowing developers to handle complex relationships and transformations easily.
- Ensured only authorized users can view sensitive data, reducing the risk of data breaches.
- Allowed users to customize reports on the fly, improving the overall usability for different end-user needs.

## Tech Stack



10000

Total\_customers

5151

active\_customers

4849

Inactive\_customers

7963

Retain\_customers

2037

Exit\_cutomers

7055

Credit\_card\_holder

year

All

month

All

GeographyLocation

All

ActiveCategory

All

ExitCategory

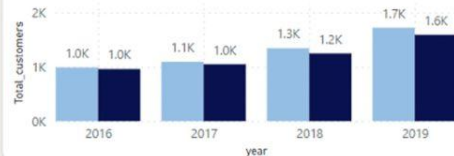
All

GenderCategory

All

Total Customers by year and active category

ActiveCategory ● Active Member ● Inactive Member

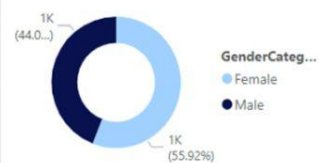


Exit\_cutomers and Previous\_month\_exit\_cutomers by month

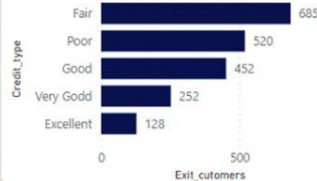
● Exit\_cutomers ● Previous\_month\_exit\_cutomers



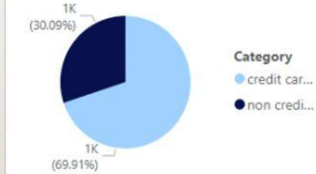
Exit\_cutomers by GenderCategory



Exit\_cutomers by Credit\_type



Exiit customers by category



# A Pioneer in Augmented Reality Property Management Solutions

Implemented AR technology in Power BI to revolutionize property management interactions.

AR Visualization

Digital Twin Integration

Data Analysis and Insights

## Outcomes

### Enhanced Efficiency

- Visualizing digital overlays of building infrastructure and equipment in real-world environments improved operational efficiency.

### Improved Decision-Making

- Integration with digital twin models enabled users to access virtual representations of physical spaces, providing valuable insights into building layouts and configurations.

### Data-Driven Maintenance Strategies

- Created powerful data analysis tools for tracking equipment performance, optimizing maintenance strategies.

# Solutioning

## Challenges

- Seamless implementation of cutting-edge AR technology.
- Designing intuitive interfaces and tools ensuring usability and user satisfaction.
- Developing robust data analysis tools for tracking equipment performance and maintenance activities.

## Technical Spotlight

- AR Development Kits (ARDKs) enabled real-time overlays of digital information onto physical spaces.
- Utilized Figma for the creation of user-friendly interfaces.
- Data Analytics Platforms like Power BI, and Google Data Studio offered powerful visualization and analytics capabilities.

## Solution Highlights

- ARKit seamlessly integrated augmented reality into property management workflows, providing immersive experiences for users.
- Used UX Design Tools for intuitive interfaces, addressed diverse user needs through iterative processes.
- Utilized Data Analytics Platforms to track equipment performance, monitor maintenance, and derive insights.

## Tech Stack





Over view



Locations



About



waterfront status

**21K**

Has no waterfront  
99.2%

waterfront status

**163**

Has waterfront  
0.8%

Renovation status 47.9%

**10K**

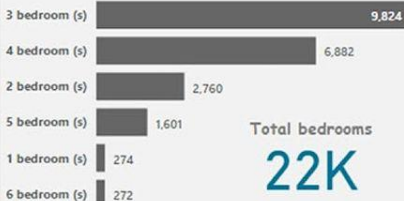
Renovated

Renovation status 52.1%

**11K**

Not Renovated

Bedrooms contained in the properties



Properties floors



Properties current conditions



Very Good

**15K**

69.7%



Good

**3,057**

14.1%



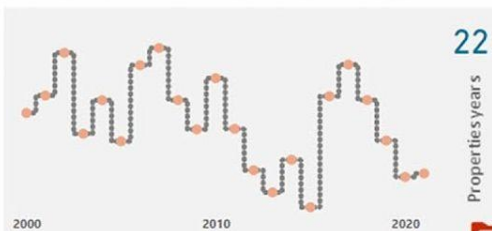
Bad

**3,485**

16.1%

#1

Years which properties were built & numbers of properties



# A Leading South African Cloud Consulting and Solutions Firm

Automated the extraction, cleaning, and visualization of real estate vacancy data.

Automation

Data Visualization

Scalability

API Integration

## Outcomes

### Improved Data Analytics

- Allowed for advanced data visualization and real-time insights into vacancy schedules.

### Increased Efficiency

- Enhanced the overall speed and accuracy of the real estate data pipeline.

### Enhanced Data Accessibility

- Enabled seamless data storage and retrieval, making the processed data easily accessible for analysis.

# Solutioning

## Challenges

- Managing real-time data visualization and analytics without performance bottlenecks, even with large datasets.
- Setting up reliable and scalable automation pipelines without issues with API integration and workflow.
- Handling and visualizing complex real estate vacancy data with multiple dimensions and metrics.

## Technical Spotlight

- Optimized MySQL queries and used Power BI's data filtering and aggregation tools.
- Utilized AWS Lambda for automated and scalable data cleaning, and leveraged Python for flexible scripting.
- Used Power BI's Data Modeling features to create relationships between different tables from the MySQL database.

## Solution Highlights

- Improved data handling capabilities, ensuring faster and more efficient data visualization, providing real-time insights without delays.
- Ensured that automation workflows are both scalable and reliable, with minimal human intervention.
- Provided real-time, actionable insights into the real estate vacancy data, enabling executives to make informed decisions.

## Tech Stack



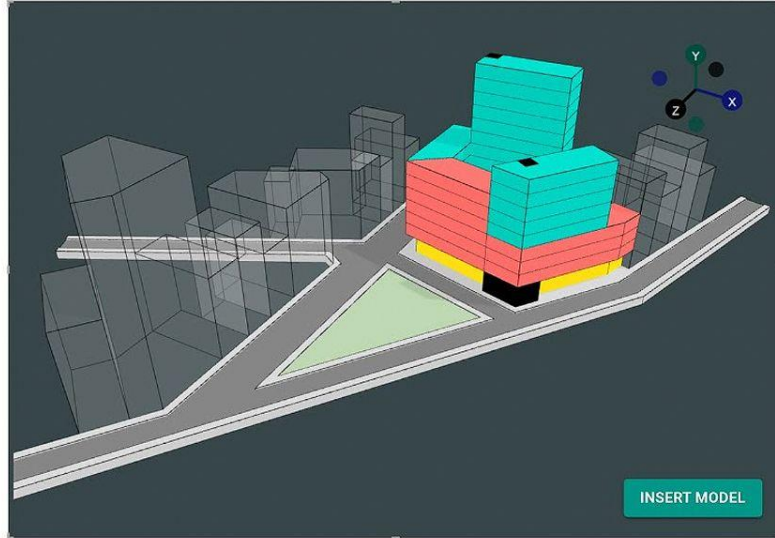
### Count by Type



### Count by Level



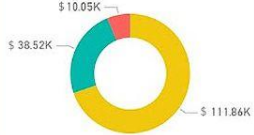
Name	Level	Type	Area (m2)	Volume (m3)	ForRent	RentPrice	ForSale	SellPrice
A001	0	Retail	894.89	4,474.43	TRUE	\$ 111,861.25	FALSE	\$ 1,431,824.00
A101	0	Circulation	56.22	281.11	FALSE		FALSE	
A102	0	Circulation	33.00	165.00	FALSE		FALSE	
A2011	1	Circulation	9.00	27.00	FALSE		FALSE	
A2012	2	Circulation	9.00	27.00	FALSE		FALSE	
<b>Total</b>			<b>6,616.91</b>	<b>21,819.07</b>		<b>\$ 436,009.00</b>		<b>\$ 9,597,021.50</b>



### Color By

- Type
- ForRent
- ForSale

### For Rent



### For Sale



Made with ICEB for SketchUp

[www.iceb.com](http://www.iceb.com)



# A Global Leader in Commercial Vessels Managing Bulk Carriers and Tankers

Created a data-driven web application for comprehensive vessel performance analytics.

Data Integration

Performance Optimization

Real-time Tracking

Security

## Outcomes

### Enhanced Data Management

- Centralized data model provided a single source of truth, improving data accuracy and accessibility for users.

### Streamlined Operations

- Unified data and third-party services improved tracking and management of vessel performance.

### Improved Decision-Making

- Integrated analytics and reporting capabilities enabled data-driven decisions, enhancing operational efficiency.

# Solutioning

## Challenges

- Creating meaningful visualizations from complex datasets without the possibility of data misinterpretation.
- Integrating multiple data sources efficiently, reducing inconsistencies and delays in data availability.
- Accessing and visualizing real-time data from multiple sources, especially when integrating third-party APIs.

## Technical Spotlight

- Utilized Power BI's built-in visualization tools and customizable dashboards for clear, interactive visuals.
- Utilized MS SQL for structured data storage and Azure for seamless integration of external APIs.
- Leveraged Power BI's ability to connect to various data sources, including live data streams and API integrations.

## Solution Highlights

- Improved data comprehension and faster decision-making, enabling users to easily interpret and analyze visualized information.
- Ensured consistent data integrity and reliable integration, reducing inconsistencies.
- Enhanced operational agility, enabling users to make informed decisions based on the latest data without delays.

## Tech Stack



## Vessel Detailed

Last Update : 2024-01-29 15:09

Projects

All projects

Projects Type

Commerdal

Vessel Type

All vessel

Vessel

All vessel

Year

2023

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Maintenance (%)

0.00%

Breakdown (%)

1.21%

Data Acquisition (%)

42.61%

Transit (%)

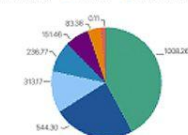
13.24%

Mobilisation (%)

10.01%

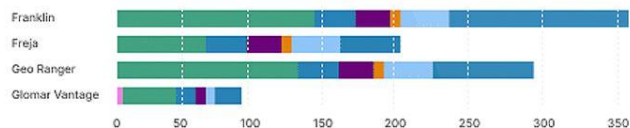
### Vessel Overview

● Data Aca. ● Waiting o... ● Transit ● Mobilisation ● Other ● Stand by



### Vessel Duration

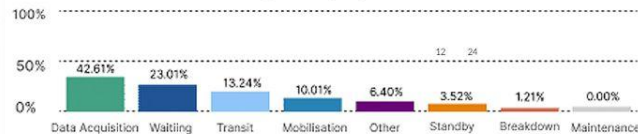
● Breakdown ● Data Acquisition ● Maintenance ● Mobilisation ● Other ● Stand by ● Transit ● Waiting O...



### Vessel duration

Category	Vessel	Duration(In days)
2D UHRS Infill	Franklin	0.76
As-Found Survey	Normand Superior	57.15
Biological Sampling	Deep Helder	0.51
Boulder Removal	Normand Superior	0.83
Breakdown	African Spirit	1.27
<b>Total</b>		<b>2,365.99</b>

### Total by Category (Vessel)



# A Global Company Providing QA, Inspection, and Certification Services

Designed an audit monitoring system to plan, schedule, and track assessments in company facilities.

Data Integration

Database Management

Analytics

Scalability

## Outcomes

### Improved Data Visualization

- Enhanced data visualization, allowing stakeholders to derive insights quickly and effectively.

### Efficient Data Management

- Optimized data management and accessibility, ensuring seamless integration across platforms.

### Streamlined Reporting Process

- Reduced manual effort, enabling faster decision-making and improved accuracy.

# Solutioning

## Challenges

- Combining data from multiple sources without complicating the overall data management process.
- Integrating data from various sources into Power BI and creating a cohesive reporting environment.
- Enhancing report loading times and responsiveness, improving user access to insights.

## Technical Spotlight

- Implemented SSIS for streamlined data extraction and transformation, ensuring consistency.
- Leveraged Power BI's data connectors to seamlessly integrate various data sources.
- Utilized Power BI's built-in performance optimization features, such as data modeling techniques and DAX functions.

## Solution Highlights

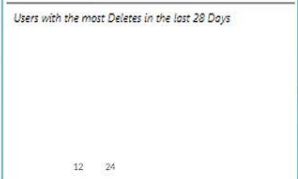
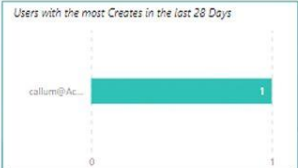
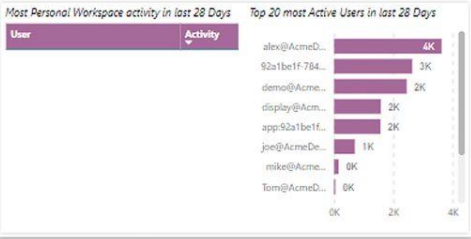
- Enabled seamless ETL processes and ensured cleaner, more reliable data thereby enhancing overall data integrity.
- Enhanced data consistency and accuracy, creating a unified view of performance metrics.
- Improved report loading speeds and responsiveness, enabling users to access insights quickly and efficiently.

## Tech Stack



Top 20 Workspaces	Activity from Users last 28 Days
Sales Team	1641
Acme Demo	1225
prodEmbeddedTest	955
My workspace	489
Premium - Jon	227
Sales Analysis Sales Sandpit	146
Machine Learning Demo	126
Product Development	96
DemoTestWorkspace	67
PPH	64
<b>Total</b>	<b>5420</b>

Top 20 Datasets	Activity from Users last 28 Days
LeisureMap ETL	790
Monitoring Service v2	788
shark report	117
Incremental Refresh Demo	114
Football Salaries 2	113
Report Usage Metrics Model	78
DataLineageDemo	76
Usage Metrics Report	73
DocumentationTest shark report	72
Demo1	66
<b>Total</b>	<b>2772</b>



# A Financial Institution Offering a Range of Mutual Fund Investment Solutions

Streamlined data migration, enhanced reporting capabilities, and improved data analysis.

Data Migration

Report Automation

Data Warehousing

Query Optimization

## Outcomes

### Enhanced Data Analysis

- Developed a data warehouse with fact and dimension tables, improving historical data tracking and supporting in-depth analysis.

### Boosted Query Performance

- Optimized complex queries and stored procedures, significantly improving the speed and performance of data retrieval.

### Improved Data Accessibility

- Migrated data across databases and platforms, ensuring seamless access and integration for analytics and reporting.

# Solutioning

## Challenges

- Creating interactive and dynamic reports that effectively communicate insights.
- Coordinating between multiple cloud services like Microsoft Azure and AWS Redshift.
- Effectively handling large amounts of data when creating reports, ensuring consistent peak performance.

## Technical Spotlight

- Used Power BI's robust visualization features to create engaging and detailed data reports.
- Leveraged built-in connectors and integration tools for Azure and AWS to synchronize data between platforms.
- Utilized Power BI's advanced data modeling capabilities to manage large datasets efficiently without overwhelming system resources.

## Solution Highlights

- Created highly interactive, user-friendly dashboards that enabled better insights and quicker decision-making for business users.
- Streamlined cloud platform integration ensuring higher operational efficiency and reduced complexity.
- Ensured faster load times, more responsive dashboards, and better handling of real-time data without performance degradation.

## Tech Stack



as of 31/08/2017

All

Top 10

Top 5

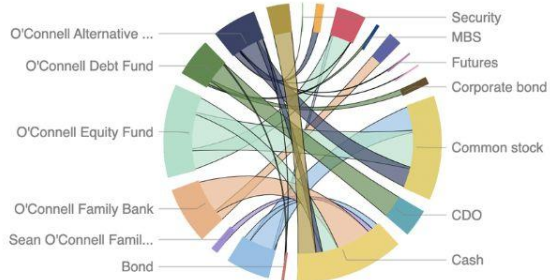
Bottom 5

Bottom 10

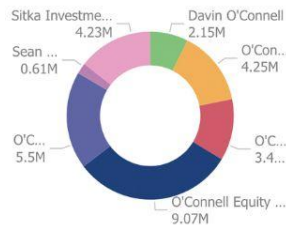
Entity to Assets Class    Entity to Industry    Entity to Currency    Asset Class to Industry    Asset Class to Currency    Industry to Currency

VALUE

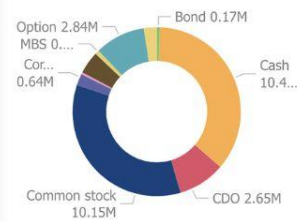
ENTITY TO ASSET CLASS



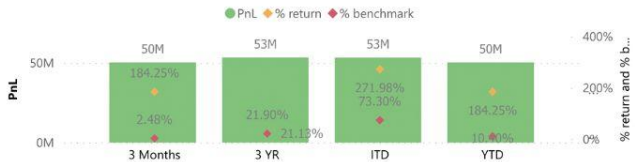
ENTITY



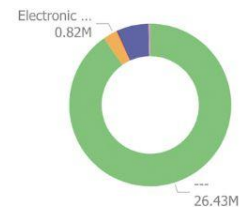
ASSET CLASS



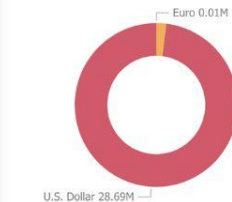
PROFIT & LOSS, RETURN % & BENCHMARK



INDUSTRY



CURRENCY





**STHENOS**  
TECHNOLOGIES

CMMI Level 5

Leading by Passion. Driven by Innovation

4000+  
Professionals

22+  
Industries

1500+  
Clients

85%  
Client Retention

Thankyou

022 4050 0600

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