NeoSOFT®

Capabilities

Power BI

Drive Business Growth with Visual Analytics

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About Us

Great Place To Work. Certified INDIA

25+ YEARS OF EXCELLENCE

CMMIDEV/5

Overview

4000+ Employees

10 Global Offices

9 Development Centers

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

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

aws

SAP

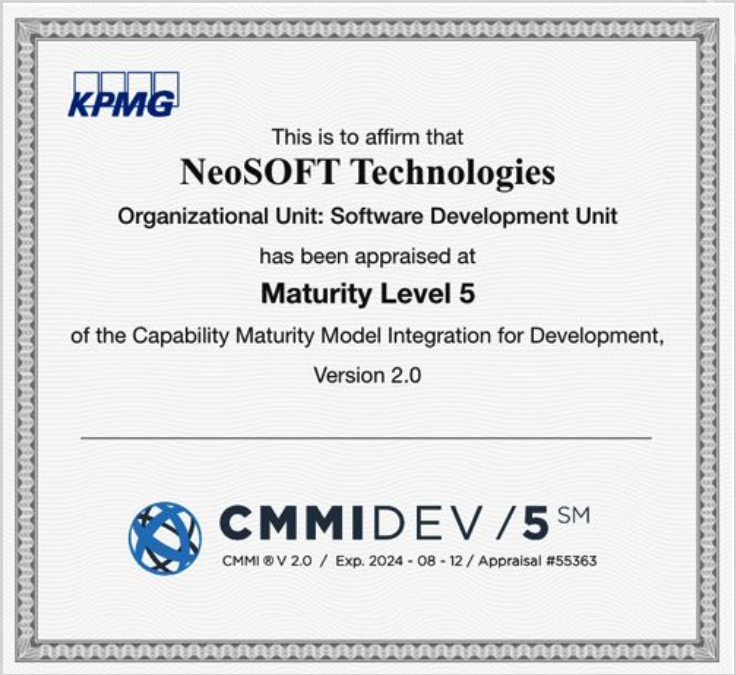
Microsoft

Google Cloud

Magento

Certified To Deliver Quality

Great Place To Work.
Certified
SEPT 2022 - SEPT 2023
INDIA



ISO
9001:2015
Quality Management

ISO
27001:2013
Information Security

ISO
20000-1:2011
IT Management

ISO
22301:2012
Business Continuity Management

What We Do

Team Augmentation

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 NeoSOFT 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

What Does Power BI Do?

Power BI is a business analytics service that delivers insights to enable fast, informed decisions.

01

Transform data into stunning visuals and share them with colleagues on any device.

02

Visually explore and analyze data, on-premises and in the cloud, all in one view.

03

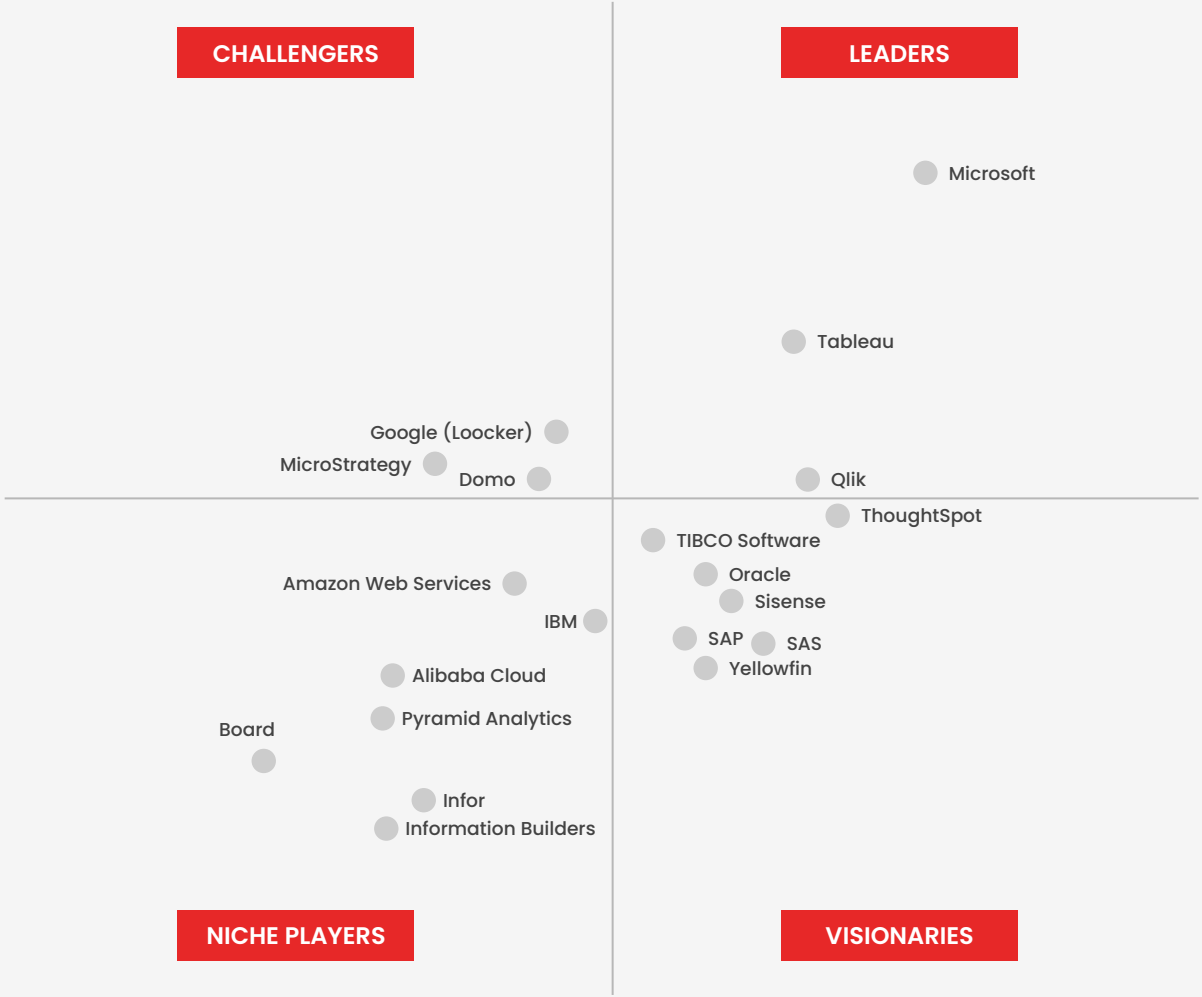
Collaborate on and share customized dashboards and interactive reports.

04

Scale across your organization with built-in governance and security.

Why Power BI?

Power BI- The Market Leader for Analytics & Business Intelligence (Recognised by Gartner)



Source:

https://powerbi.microsoft.com/en-us/blog/microsoft-named-a-leader-in-2021-gartner-magic-quadrant-for-analytics-and-bi-platforms/

Competencies of Power BI

01. Seamless integration with existing applications

02. Rich personalized dashboards

03. Publish reports securely

04. No memory and speed constraint

05. Superior accessibility

06. Embeddable attributes

07. Powerful connectivity

08. Consolidate multiple data sources

09. Schedule data refresh

10. Strong online community

Key Benefits of Power BI

1. Pre-built dashboard and reports for popular SaaS solutions
2. Secure live connection to all your data sources: on-premise and in the cloud
3. Intuitive data exploration using natural language query
4. Fast deployment, hybrid configuration, secure, and integrated with existing IT systems
5. Real-time dashboard/report updates
6. Integrated with familiar Microsoft products and utilises commitment for scale and availability in azure
7. A wide range of data sources supported
8. Inbuilt ETL tool-Power Query

Applications of Power BI

01

Software or IT Companies

02

Hospitality Industry

03

Financial Industry

04

Management Consulting

05

Retail Sector

06

Staffing & Recruitment Industry

Key Components of Power BI

Power Query
Data mashup and transformation tool.

Power Pivot
In-memory tabular data modelling tool.

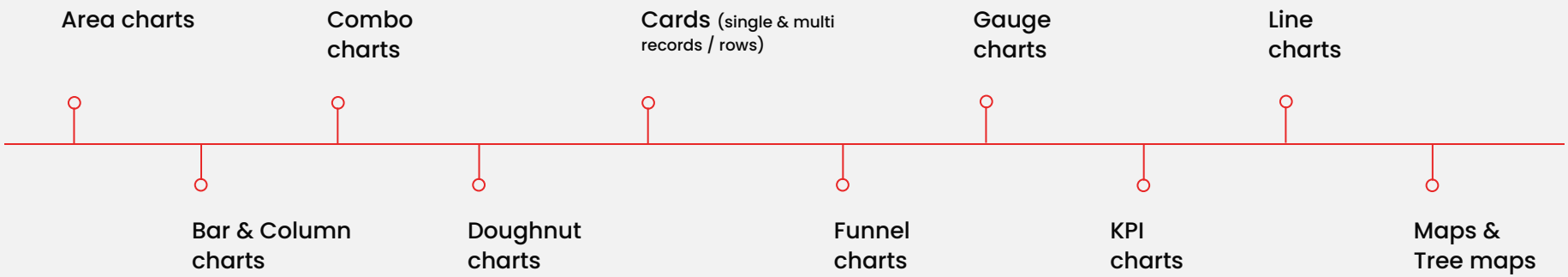
Power View
Data visualization tool.

Power Map
3D geo-spatial data visualization tool.

Power Q&A
Natural language question and answering engine.

Power BI Service
It is the Software as a Service (SaaS) part of Power BI. It is also known as Power BI Online.

Type of Visualizations Available in Microsoft Power



Power BI Licenses

Power BI Pro
Main Features:

- Publish reports to share and collaborate
- Power Pro is included in Microsoft 365 E5

Power BI Premium Per User
Main Features:

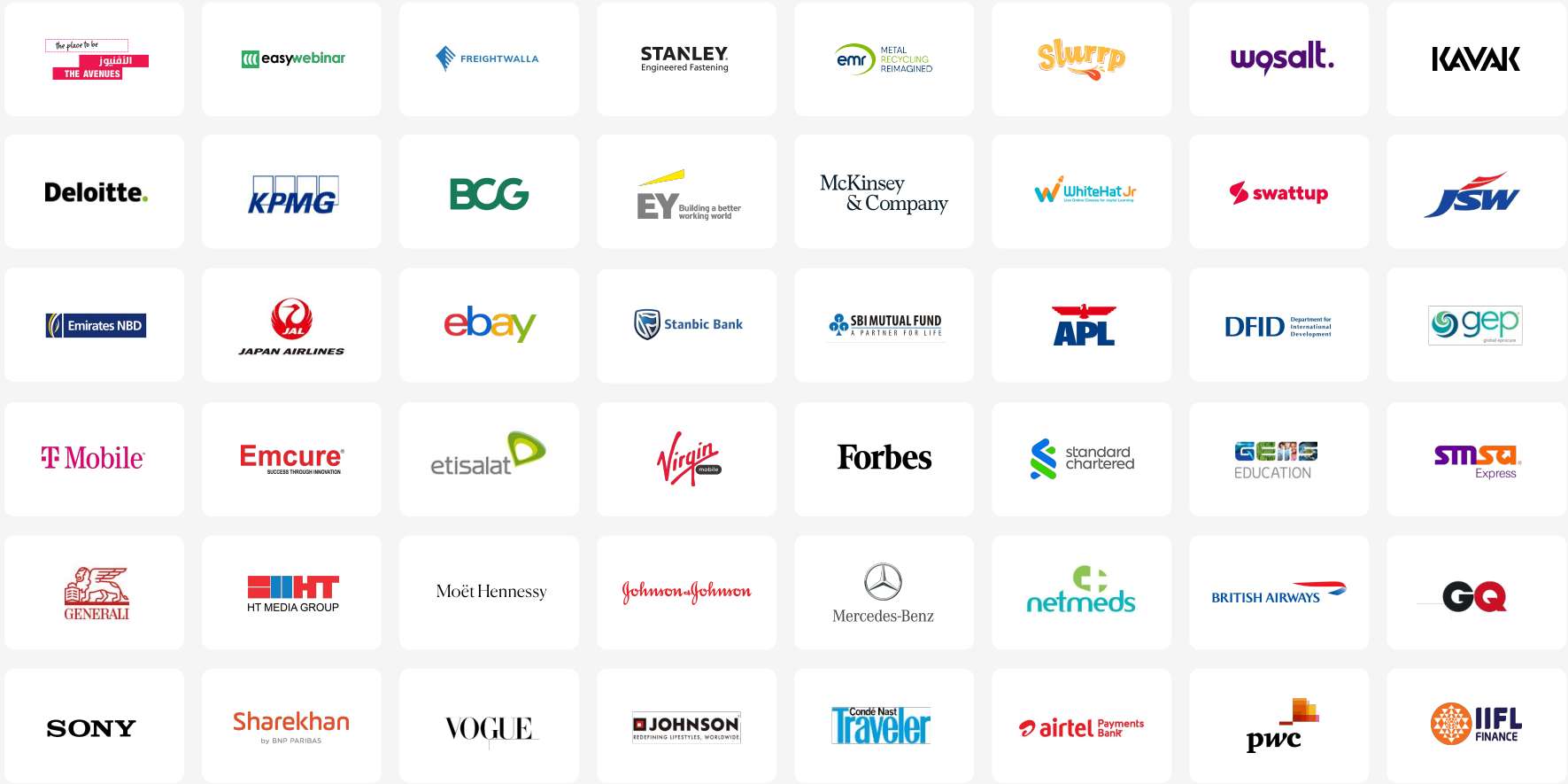
- Paginated (RDL) reports
- Model size limit: **10 GB**
- Refresh rate: **48/day**
- Maximum storage: **100 TB**

Power BI Premium Capacity
Main Features:

- Consume content without a per-user license
- Model size limit: **400 GB**
- Refresh rate: **48/day**
- Maximum storage: **100 TB**

For pricing, refer this link: https://powerbi.microsoft.com/en-us/pricing/

Selected Clientele



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

Power BI | Microsoft SQL Server Integration Services | Microsoft SQL Server 2014 | Azure

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
Expiring Area By Year (SQFT)
20K
15K
10K
5K
0K
2024
2025
2026
2027
2028
2029
2030
2032
SUMMARY
NOI Past 12 Months
Actual
Budget
0.0M
-0.5M
Jul 2023
Jan 2024
SUMMARY
Assets Under Management
0.6M
0.4M
0.2M
0.0M
Jul 2023
Jan 2024
SUMMARY
Area Occupancy
Vacant Sqft
37%
63.12%
Total Occupancy
Occupied Sqft
63%
Occupied Sqft
Vacant Sqft
WEIGHTED AVG.
LEASE EXPIRY (Y R S)
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

Power BI | Windows Server | Microsoft SQL Server 2014 | Power Query

10000
Total_customers
5151
active_customers
4849
Inactive_customers
7963
Retain_cutomers
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
Total_customers
2K
1K
0K
1.0K
1.0K
1.1K
1.0K
1.3K
1.2K
1.7K
1.6K
2016
2017
2018
2019
year
Exit_cutomers and Previous_month_exit_customers by month
Exit_cutomers
Previous_month_exit_customers
Exit_cutomers
200
100
0
121
25
87
151
26
12
19
171
37
151
31
42
51
178
242
31
227
42
50
0
5
10
month
Previous_month_exit...
Exit_cutomers by GenderCategory
1K
(44.0...)
1K
(55.92%)
GenderCateg...
Female
Male
Exit_cutomers by Credit_type
Credit_type
Fair
685
Poor
520
Good
452
Very Godd
252
Excellent
128
0
500
Exit_cutomers
Exiit customers by category
1K
(30.09%)
1K
(69.91%)
Category
credit car...
non credi...

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

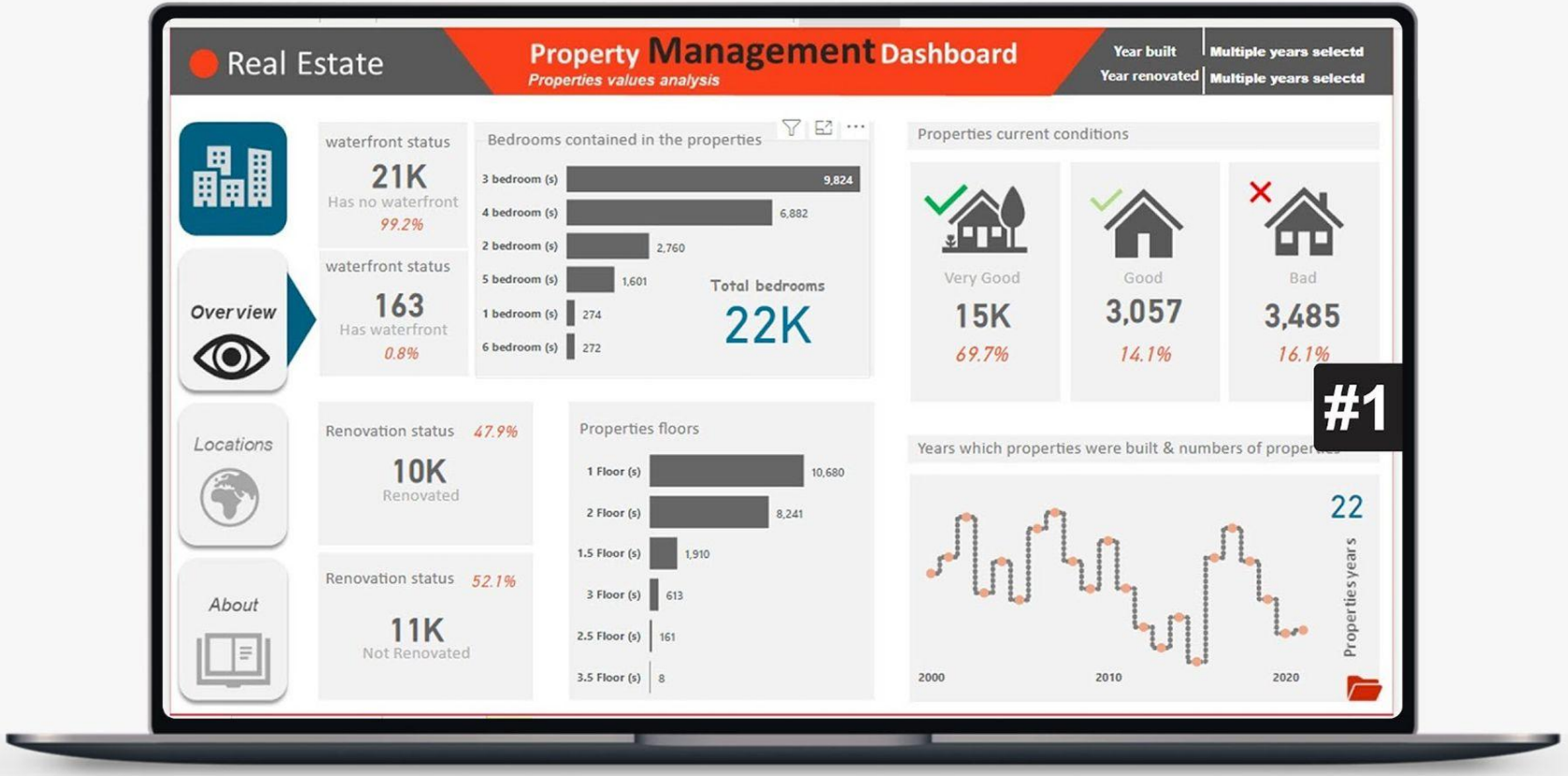
- AR Development Kits (ARDKs) enabled real-time overlays of digital information onto physical spaces.
- Utilized Figma for the creation of user-friendly interfaces.
- Data Analytics Platforms like Power BI, and Google Data Studio offered powerful visualization and analytics capabilities.

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

Google Data Studio


Real Estate
Property Management Dashboard
Properties values analysis
Year built
Multiple years selectd
Year renovated
Multiple years selectd
Overview
Locations
About
waterfront status
21K
Has no waterfront
99.2%
waterfront status
163
Has waterfront
0.8%
Bedrooms contained in the properties
3 bedroom (s) 9,824
4 bedroom (s) 6,882
2 bedroom (s) 2,760
5 bedroom (s) 1,601
1 bedroom (s) 274
6 bedroom (s) 272
Total bedrooms
22K
Properties current conditions
Very Good
15K
69.7%
Good
3,057
14.1%
Bad
3,485
16.1%
#1
Renovation status 47.9%
10K
Renovated
Renovation status 52.1%
11K
Not Renovated
Properties floors
1 Floor (s) 10,680
2 Floor (s) 8,241
1.5 Floor (s) 1,910
3 Floor (s) 613
2.5 Floor (s) 161
3.5 Floor (s) 8
Years which properties were built & numbers of properties
22
Properties years
2000
2010
2020

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

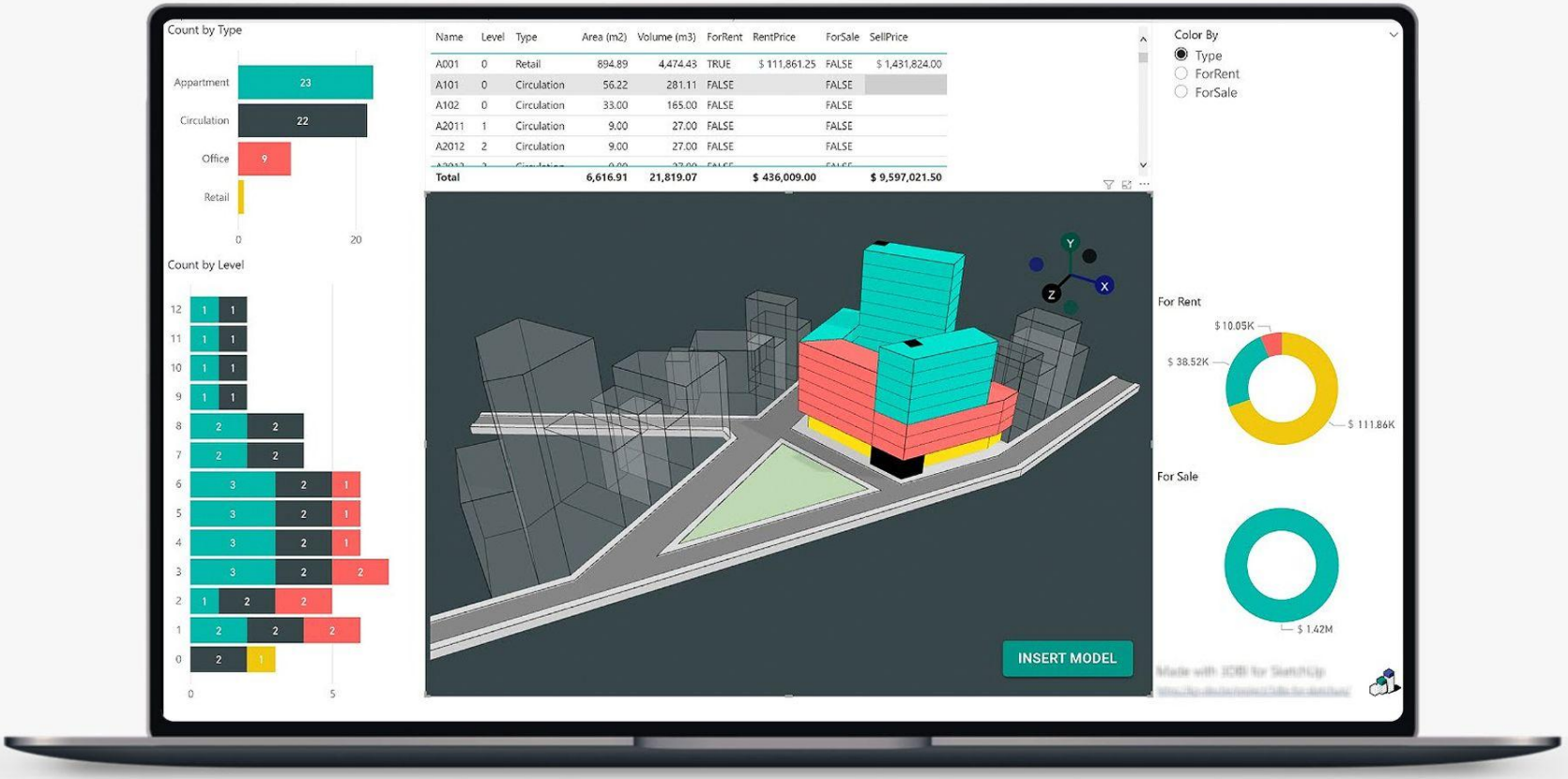
- Optimized MySQL queries and used Power BI's data filtering and aggregation tools.
- Utilized AWS Lambda for automated and scalable data cleaning, and leveraged Python for flexible scripting.
- Used Power BI's Data Modeling features to create relationships between different tables from the MySQL database.

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

python™ | Power BI | MySQL | Amazon API Gateway | Linux


Count by Type
Appartment
23
Circulation
22
Office
9
Retail
0
20
Count by Level
12
11
10
9
8
7
6
5
4
3
2
1
0
0
5
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
Total 6,616.91 21,819.07 $ 436,009.00 $ 9,597,021.50
Y
Z
X
INSERT MODEL
Color By
Type
ForRent
ForSale
For Rent
$ 10.05K
$ 38.52K
$ 111.86K
For Sale
$ 1.42M

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
Vessel Duration
Franklin
Freja
Geo Ranger
Glomar Vantage
0
50
100
150
200
250
300
350
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
Total
2,365.99
Total by Category (Vessel)
100%
50%
0%
42.61%
23.01%
13.24%
10.01%
6.40%
3.52%
1.21%
0.00%
Data Acquisition
Waiting
Transit
Mobilisation
Other
Standby
Breakdown
Maintenance

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

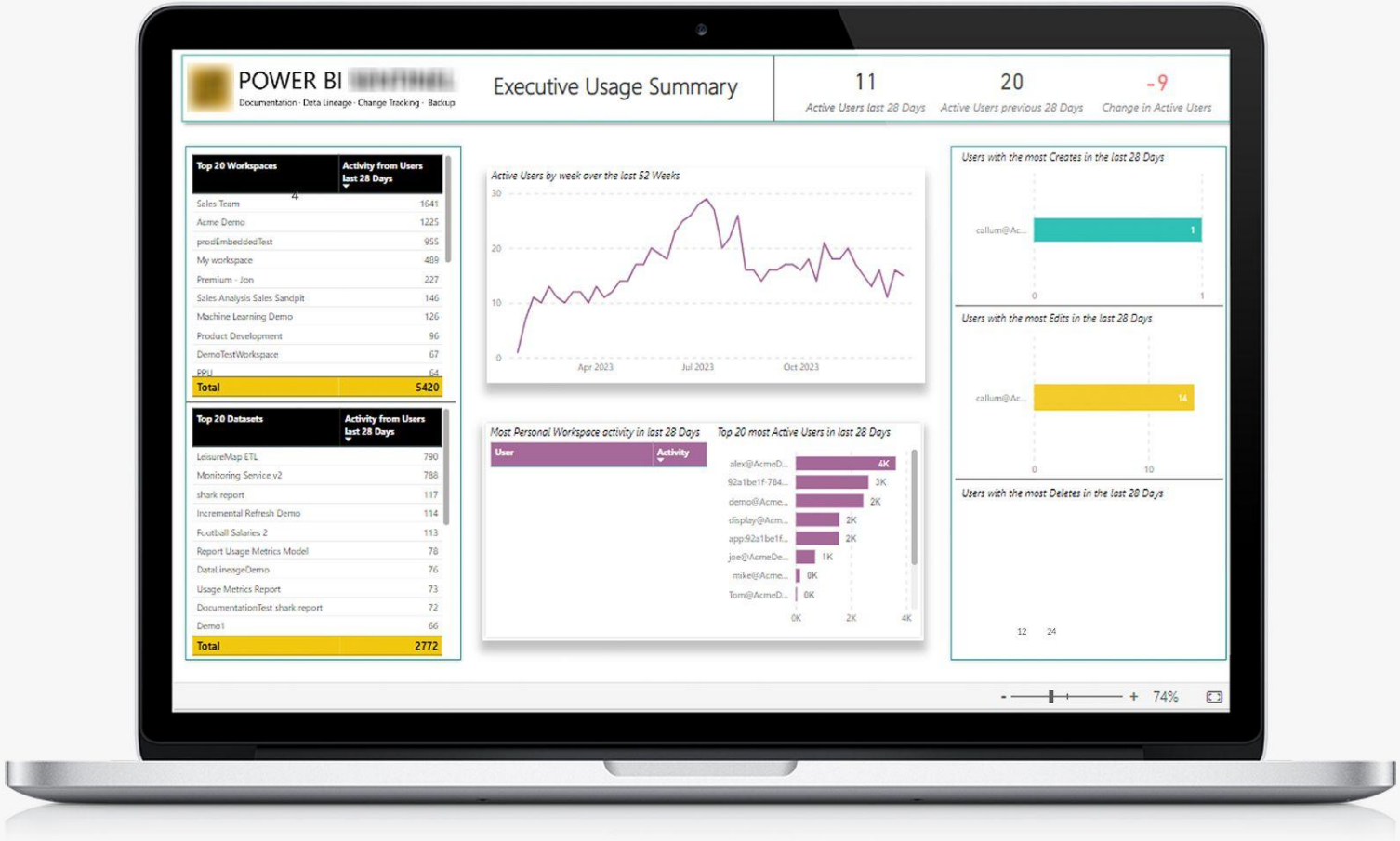
- Implemented SSIS for streamlined data extraction and transformation, ensuring consistency.
- Leveraged Power BI's data connectors to seamlessly integrate various data sources.
- Utilized Power BI's built-in performance optimization features, such as data modeling techniques and DAX functions.

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

Power BI | MySQL | Azure | Windows Server | C# | .NET Core | Microsoft .NET ASP.NET | MVC | Web API | HTML | TS | Angular 4.0 | Linux


POWER BI
Documentation · Data Lineage · Change Tracking · Backup
Executive Usage Summary
11
Active Users last 28 Days
20
Active Users previous 28 Days
-9
Change in Active Users
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
PPU 64
Total 5420
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
Total 2772
Active Users by week over the last 52 Weeks
30
20
10
0
Apr 2023
Jul 2023
Oct 2023
Most Personal Workspace activity in last 28 Days
User
Activity
Top 20 most Active Users in last 28 Days
alex@AcmeD... 4K
92a1be1f-784... 3K
demo@Acme... 2K
display@Acm... 2K
app:92a1be1f... 2K
joe@AcmeDe... 1K
mike@Acme... 0K
Tom@AcmeD... 0K
0K
2K
4K
Users with the most Creates in the last 28 Days
callum@Ac... 1
0
1
Users with the most Edits in the last 28 Days
callum@Ac... 14
0
10
Users with the most Deletes in the last 28 Days
12
24
74%

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

Power BI | amazon REDSHIFT | Azure | Windows Server | ORACLE PL SQL | Microsoft SQL Server Integration Services | Microsoft SQL Server Reporting Services | T-SQL | Microsoft SQL Server 2008 | Microsoft SQL Server 2012

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
O'Connell Alternative ...
O'Connell Debt Fund
O'Connell Equity Fund
O'Connell Family Bank
Sean O'Connell Famil...
Bond
Security
MBS
Futures
Corporate bond
Common stock
CDO
Cash
ENTITY
Sitka Investme... 4.23M
Davin O'Connell 2.15M
Sean ... 0.61M
O'Con... 4.25M
O'C... 5.5M
O'C... 3.4...
O'Connell Equity ... 9.07M
ASSET CLASS
Option 2.84M
Bond 0.17M
MBS 0....
Cor... 0.64M
Cash 10.4...
Common stock 10.15M
CDO 2.65M
PROFIT & LOSS, RETURN % & BENCHMARK
PnL
% return
% benchmark
PnL
50M
0M
50M
184.25%
2.48%
53M
21.90%
21.13%
53M
271.98%
73.30%
50M
184.25%
400%
200%
0%
% return and % b...
3 Months
3 YR
ITD
YTD
INDUSTRY
Electronic ... 0.82M
--- 26.43M
CURRENCY
Euro 0.01M
U.S. Dollar 28.69M

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Leading by Passion. Driven by Innovation

4000+ Professionals	22+ Industries	1500+ Clients	85% Client Retention

Thankyou

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