



Bangath Systems

Bangath Systems is a company specialized in data engineering and artificial intelligence, offering tools for data analysis, visualization and valorization.

Data Analysis and Valorization

Our complete solution covers data acquisition, analysis and valorization, with advanced tools based on Machine Learning and AI.



Revelations on Public Finances in Senegal

Thanks to our analysis tools and rigorous methodology, Bangath Systems has brought to light **significant trends and "statistical anomalies"** in financial governance in Senegal.

+38.6%

Discreet Increase

In the **public service wage bill** in **May 2022**, which went unnoticed.

Ref. "La Bombe Salariale"

+149%

Exponential Growth in 2024

In public service health expenditures, identified by our algorithms

Ref. "Silence, On Depense !"

These major revelations, detected with our advanced data analysis solutions, have helped spark interest among citizens and the press in budgetary issues, and enriched public debate on governance.

Data Acquisition



Data Collection

Extraction of data from your internal sources (databases, CRM, ERP) and external sources (public APIs, partners).



Secure Storage

Hosting data in the cloud or in your infrastructure, compliant with security and protection standards.



Cleaning and Preparation

Processing raw data to eliminate duplicates, correct errors and manage missing values.



Data Structure Analysis



Data Exploration

We will explore the data to identify significant patterns, trends, and correlations. This phase uses descriptive analysis techniques, including summary statistics and distribution analyses.



Data Visualization

We will create interactive visualizations through a custom application. These representations will help you understand key insights and effectively communicate results.



Analysis Reports

We will provide detailed reports presenting the results with graphs, tables, and explanatory comments to facilitate understanding and data-driven decision making.

Examples of Machine Learning Models

Sales Forecasting

Regression models and neural networks predicting future sales from historical data.



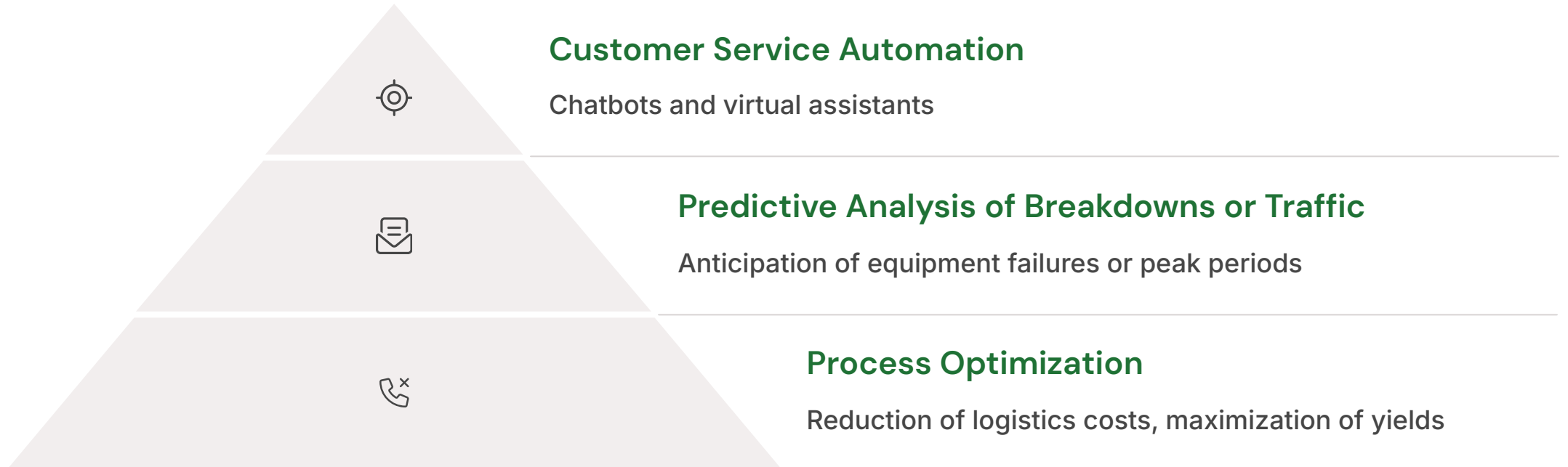
Customer Segmentation

Clustering techniques to group customers and optimize marketing strategies.

Fraud Detection

Classification models identifying potentially fraudulent transactions.

Artificial Intelligence Applications



Our AI solutions improve your business processes: faster customer service, anticipatory equipment maintenance, and logistics optimization to reduce costs and avoid stock shortages or manage increased workloads.

Our Methodology



Needs Analysis

Precise identification of your company's objectives and requirements



Planning

Development of a strategy with clearly defined milestones and deliverables



Implementation

Efficient deployment of solutions according to industry standards



Training and Support

Team training and continuous technical assistance



Evaluation

Monitoring results and continuous system optimization

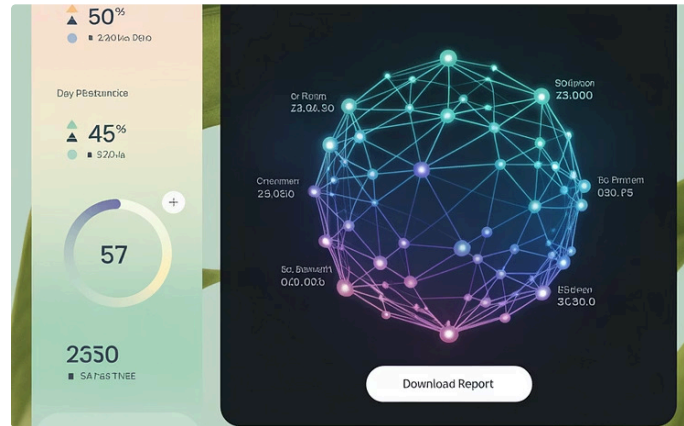


Benefits for Your Organization



Informed Decision Making

Transform your data into strategic insights for decisions based on concrete facts rather than intuition.



Process Optimization

Identify inefficiencies and automate your operations to improve productivity and reduce costs.



Competitive Advantage

Anticipate market trends and understand customer needs to develop innovative offerings that set you apart.

Want to Maximize the Value of Your Data?



Initial Consultation

Contact us to explore your needs and discover how our services can support your business objectives.

Bangath Systems is committed to maximizing the value of your data through data engineering and AI. Our expertise makes us the ideal partner for your success.



Personalized Proposal

We will create a customized plan with a timeline, deliverables, and budget adapted to your specific situation.



Project Launch

Upon your approval, we will start your data analysis and valorization project.

Contact Us



Location

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Our team is at your disposal to answer all your questions and support you in the digital transformation of your company.