SPACE UP

Data World

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هيئة الاتصالات والفضاء والتقنية
Communications, Space & Technology Commission

وكالة الفضاء السعودية
SAUDI SPACE AGENCY

Strategic Partner

NEO SPACE GROUP
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Success Partners

Saudi Green Initiative
مبادرة السعودية الخضراء

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

مركز مشاريع البنية التحتية بمنطقة الرياض
Riyadh Infrastructure Projects Center

WEQAA CENTER | مركز وقاء
المركز الوطني للوقاية من الآفات النباتية والأمراض الحيوانية ومكافحتها
National Center for the Prevention & Control Of Plants Pests & Animal Diseases

برنامج جودة الحياة
QUALITY OF LIFE PROGRAM

Data world introduction

This presentation serves as a reference to follow data world plan and the idea that we aim to deliver.

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DATA WORLD

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***Application to Track**: Providing solutions to monitor afforestation and support environmental sustainability in accordance with the goals of the Saudi Green Initiative using space technologies.*

***Solution**: An advanced analytics platform that integrates Earth Observation (EO) and IoT technology to provide real-time insights for various industries.*

SOLUTION PAGE

Solution

IoT-powered analytics and automated Earth Observation (EO) are set to transform environmental monitoring and agriculture. By implementing remote sensing in real-time

Unique value proposition

Real-time monitoring with high precision updates every 15 minutes, providing insights almost instantly for rapid response to farming and environmental issues. Crop classification accuracy of 92% outperforms the performance of routine monitoring techniques.

Key technology

- Advanced AI & Machine Learning The structures Classifying images to determine land use changes, crops, and soil conditions.
- With IoT Finds disease outbreaks and soil degradation using anomaly detection based on deep learning.
- Integration of Information Systems that gives a thorough spatial analysis. Give long-term sustainability initiatives access to historical trend research.

Key features

- Low-Latency Data Processing: Real-time reactions to environmental risks are made possible by updates that occur every 15 minutes.
- AI-Powered Predictive Accuracy: This technology ensures data reliability for agricultural planning with 92% accuracy in crop and land classification.

BUSINESS PAGE

Business Structure

Product	Description	SAAS/Licensing Model
DATA WORLD an advanced analytics platform that integrates Earth Observation (EO) and IoT technology to provide real-time insights for various industries	Facilitates a farming, environmental monitoring, and urban planning by processing data from IoT sensors and high-resolution satellite imagery. Early risk detection, predictive modeling, and effective resource management are made possible by AI-driven analytics.	Licencing/SAAS Model: A service that is subscription-based and guarantees our platform's scalability, frequent updates, and adaptability.

Proposed Project Team

Lana al dossary

student

Junior MIS student at IAU , Data analyst

Enas alghamdi

Student

sophomore CS student at KFUPM , software engineering

Project name

DATA WORLD

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Thank You

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