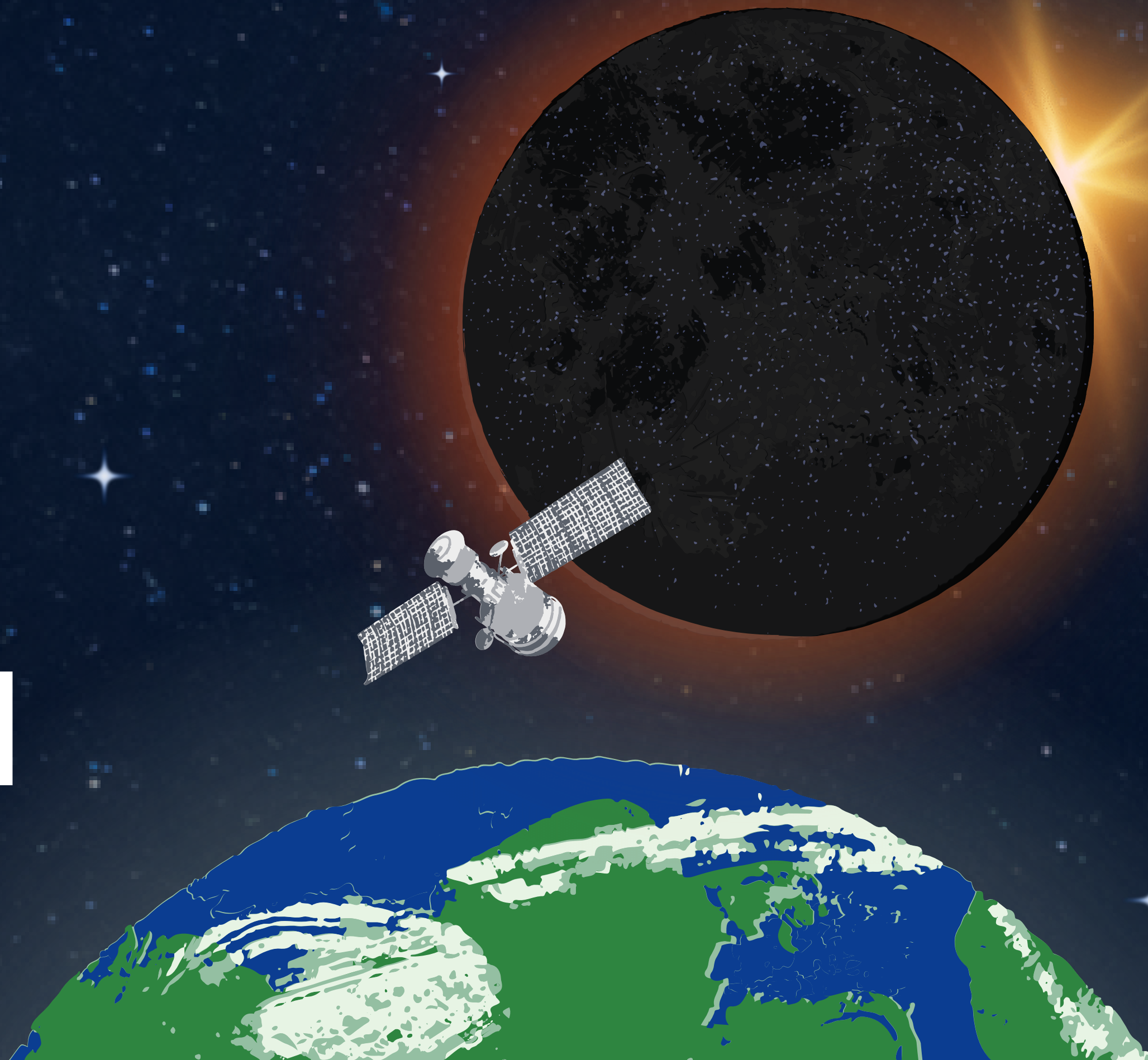




SWIFT

SAUDI SWIFT SAT

OIL SPILL DETECTION CUBESAT



Meet Our Team



Amjad Al-thobiti

Saudi Arabia

Computer Engineer



Atheer Alharthi

Saudi Arabia

Computer Engineer



Majd Althobaiti

Saudi Arabia

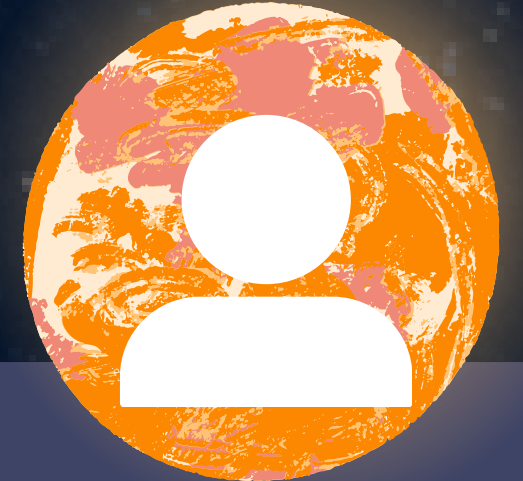
Computer Engineer



Taef Alosaimi

Saudi Arabia

Computer Engineer



Maha Al-talhi

Saudi Arabia

Computer Engineer



SWIF

SAUDI SWIFT SAT



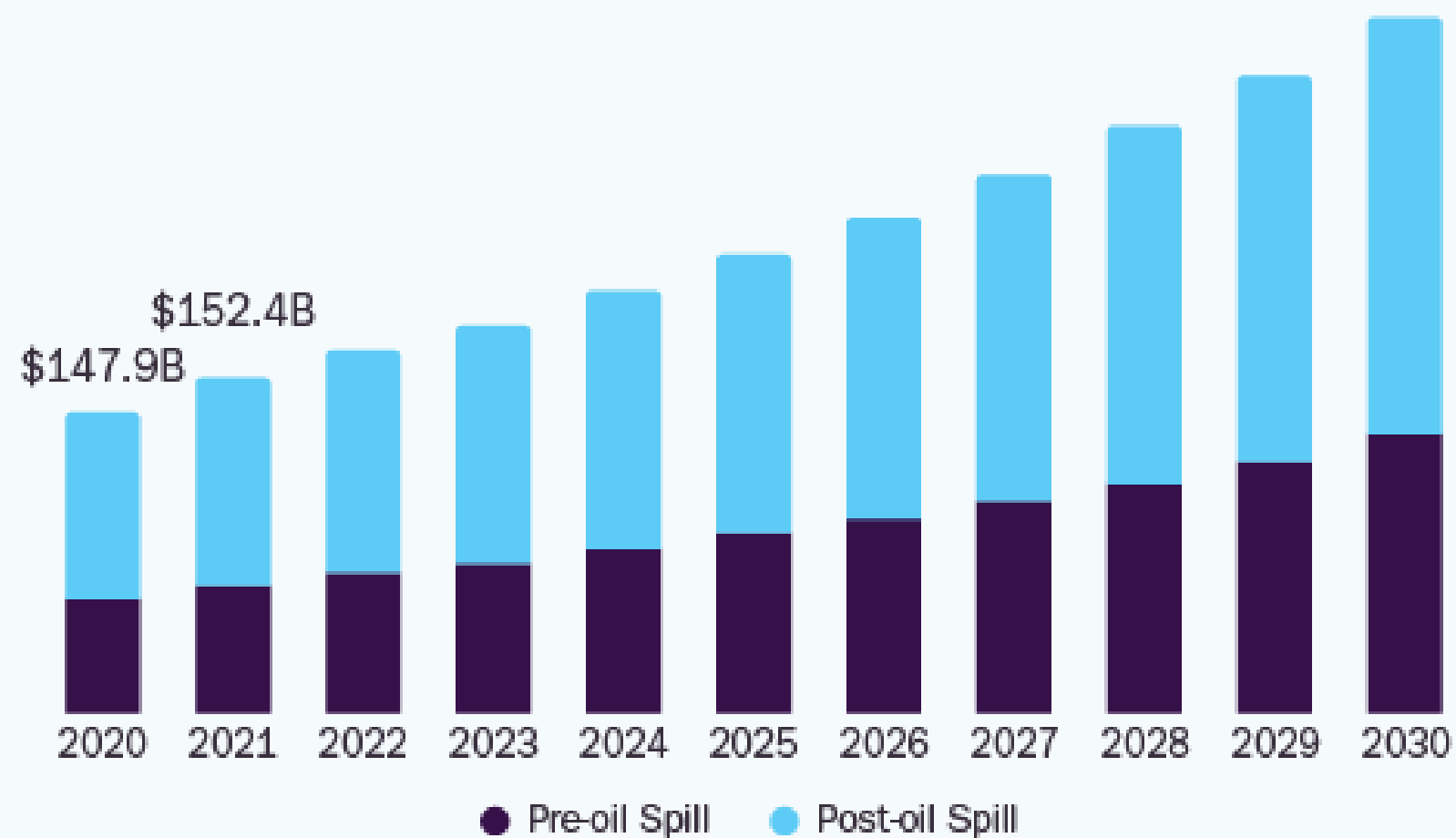
Oil Spill

Impact in
marine life



U.S. Oil Spill Management Market

Size, by Technology, 2020 - 2030 (USD Billion)



GRAND VIEW RESEARCH

3.4%

U.S. Market CAGR,
2023 - 2030

Source:
www.grandviewresearch.com

Oil spill's ! a costly disaster that burdens industries and communities with financial ruin.



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14.1

Reducing marine pollution

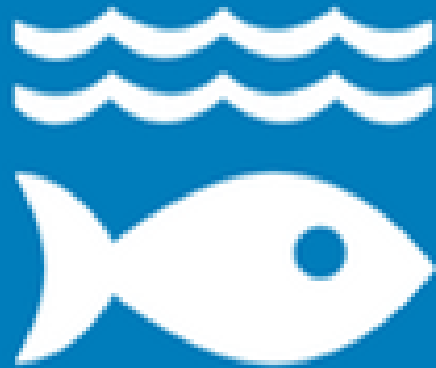
14.2

Protecting marine ecosystems

14.3

addressing ocean acidification

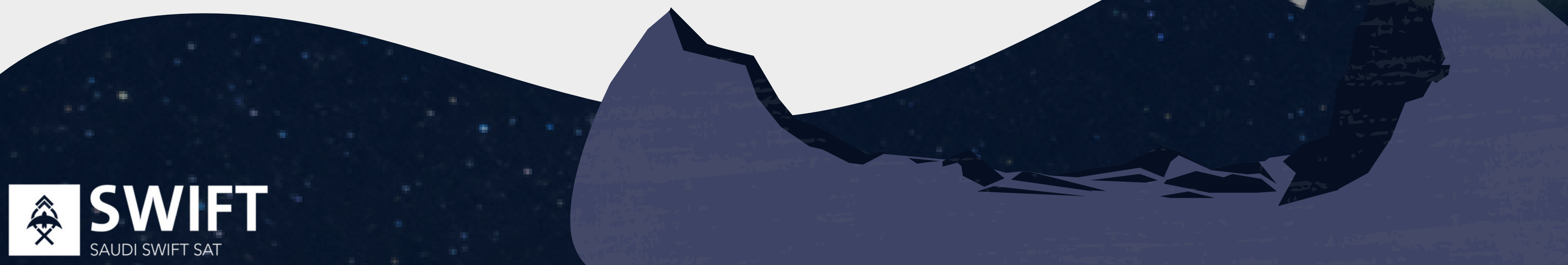
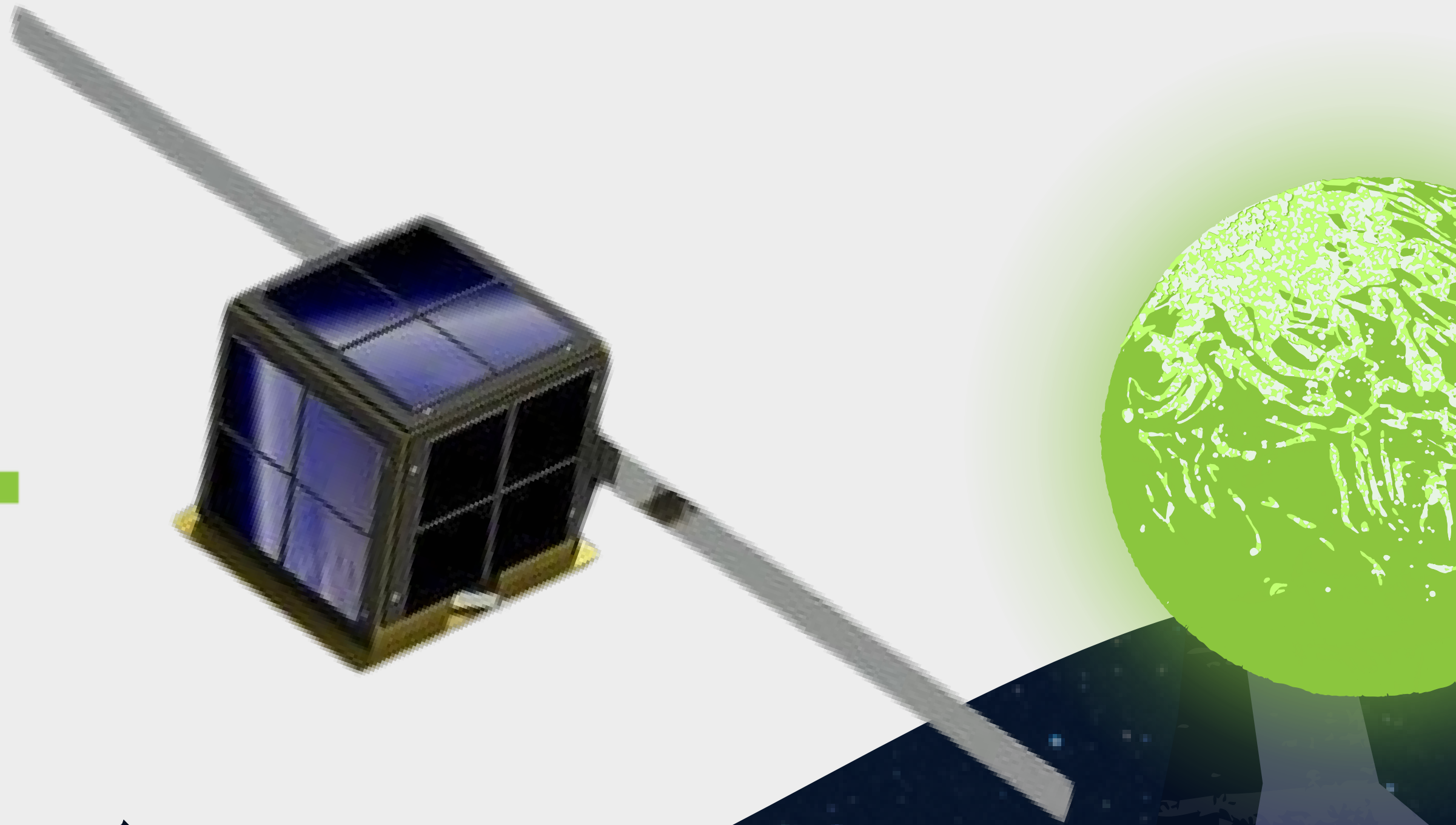
14 LIFE BELOW WATER

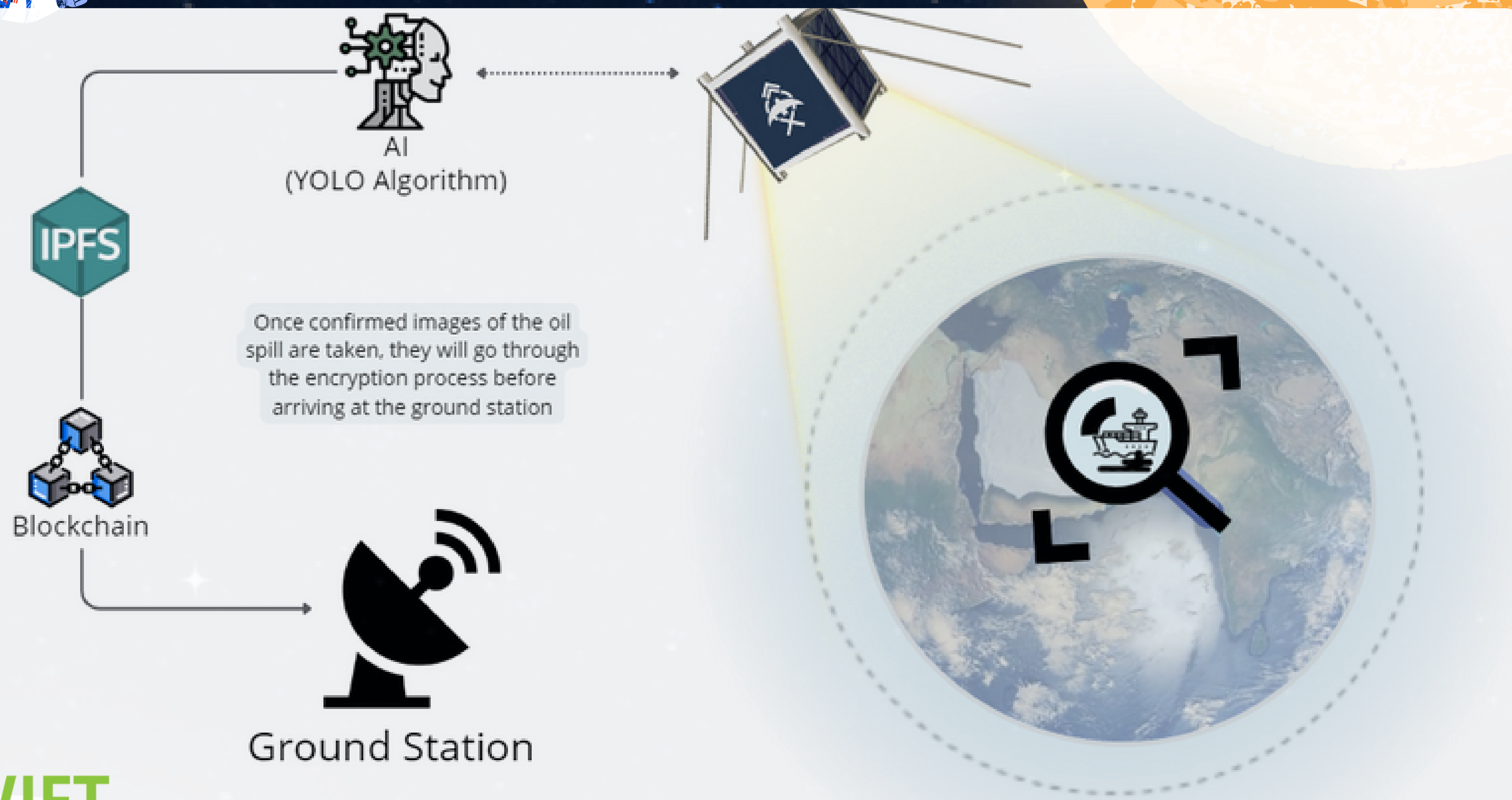




SWIFT

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SWIFT Brains



**Signal
Propagation**



Object detection



Blockchain



SWIFT

SAUDI SWIFT SAT

SWIFT Brains

Free Space Model (FSPL)



Signal
Propagation



Direct Path

SWIFT Brains



**Signal
Propagation**



Object detection

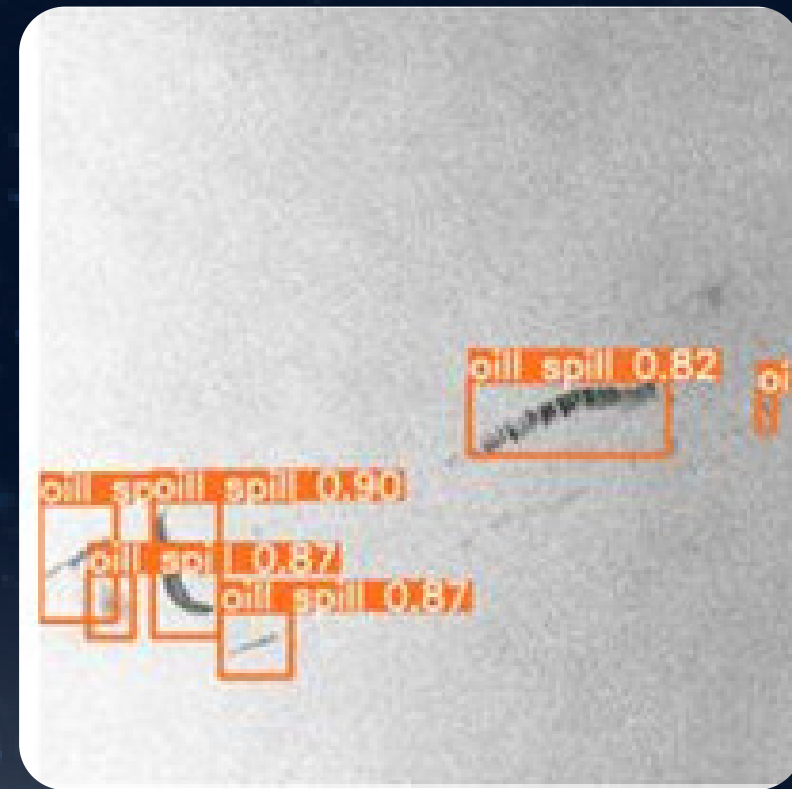
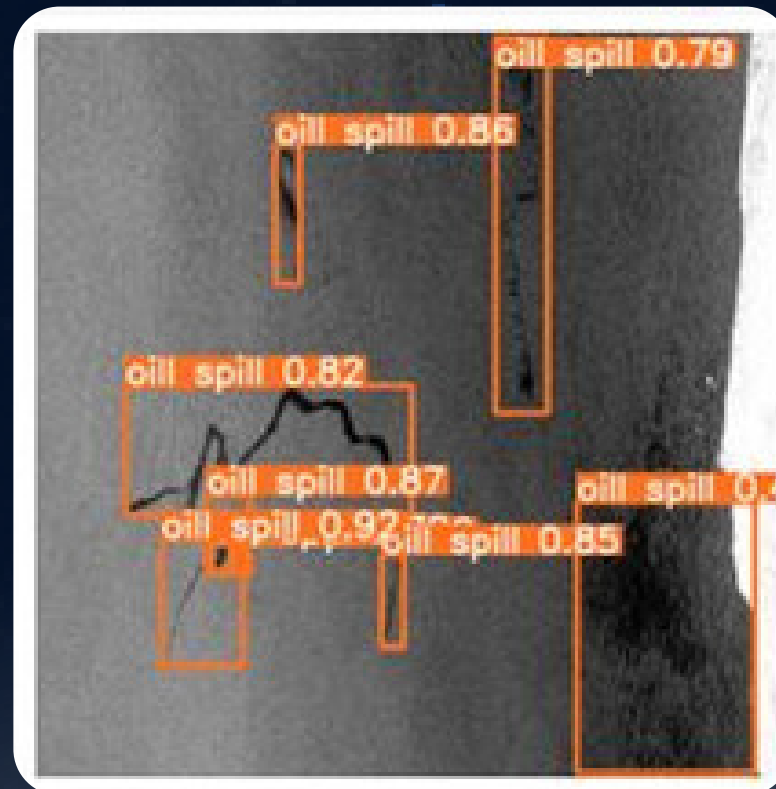


Blockchain

SWIFT Brains



Object detection
YOLO algorithm



SWIFT

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SWIFT Brains



**Signal
Propagation**



Object detection

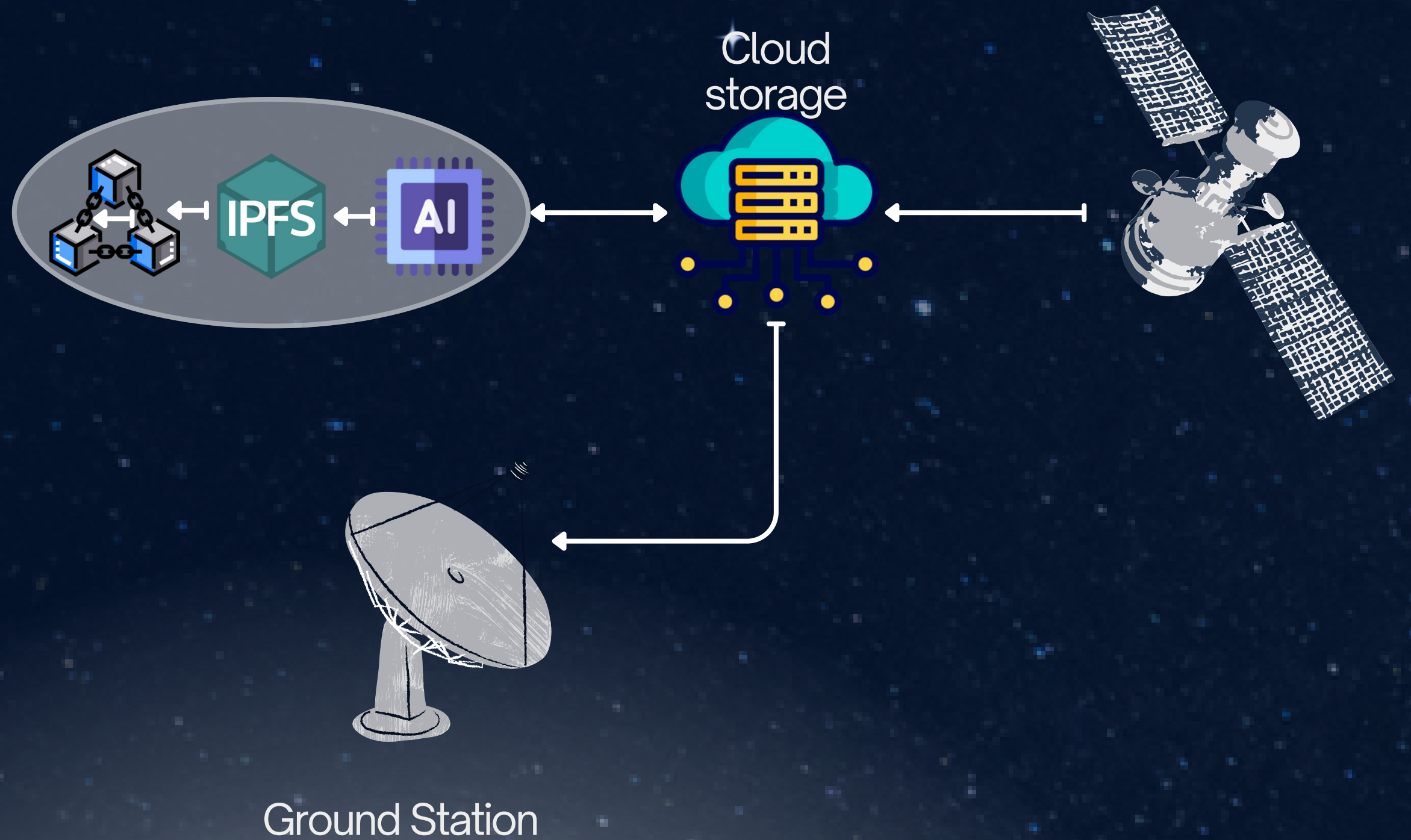


Blockchain

SWIFT Brains



Blockchain



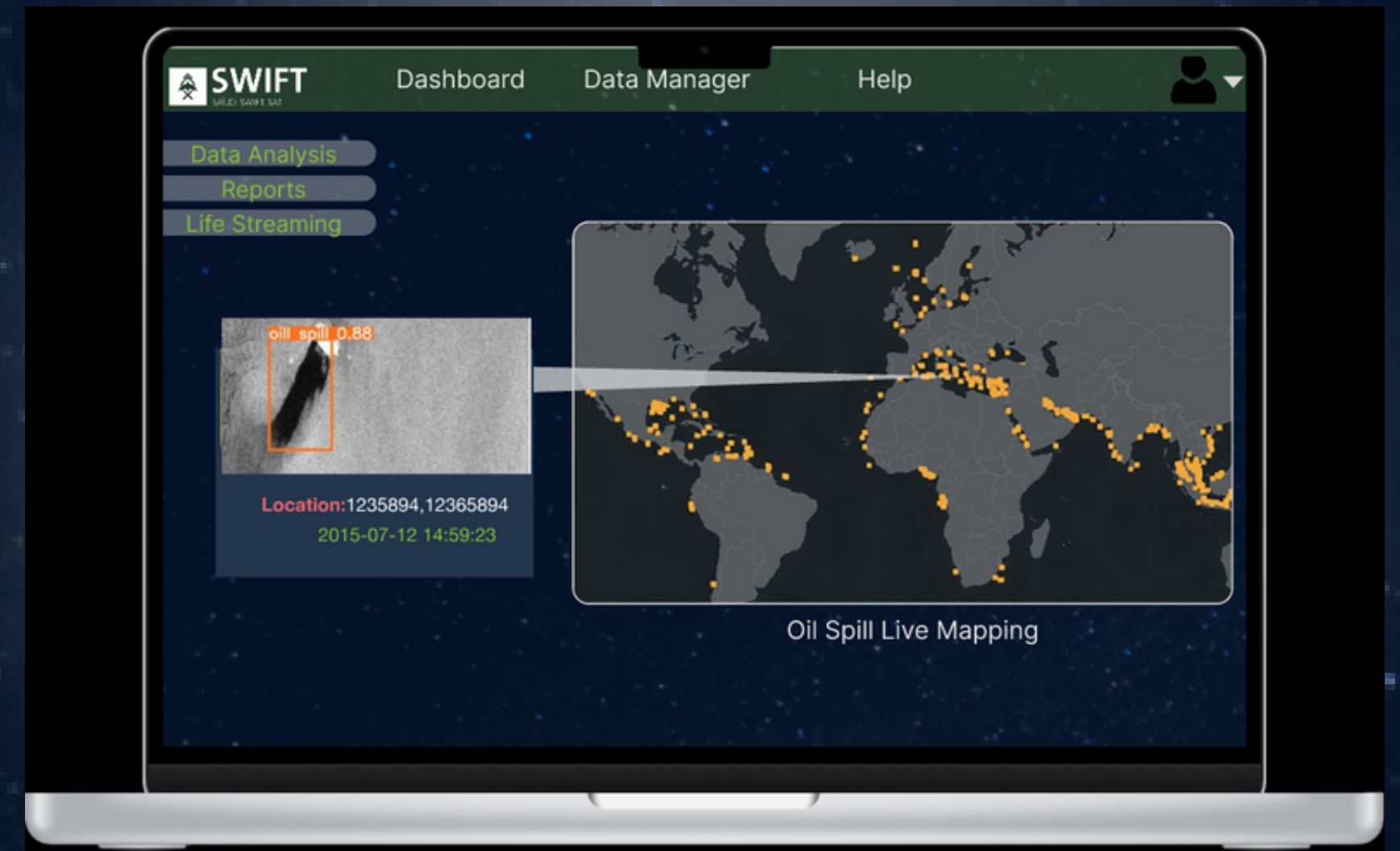
Our Prototype



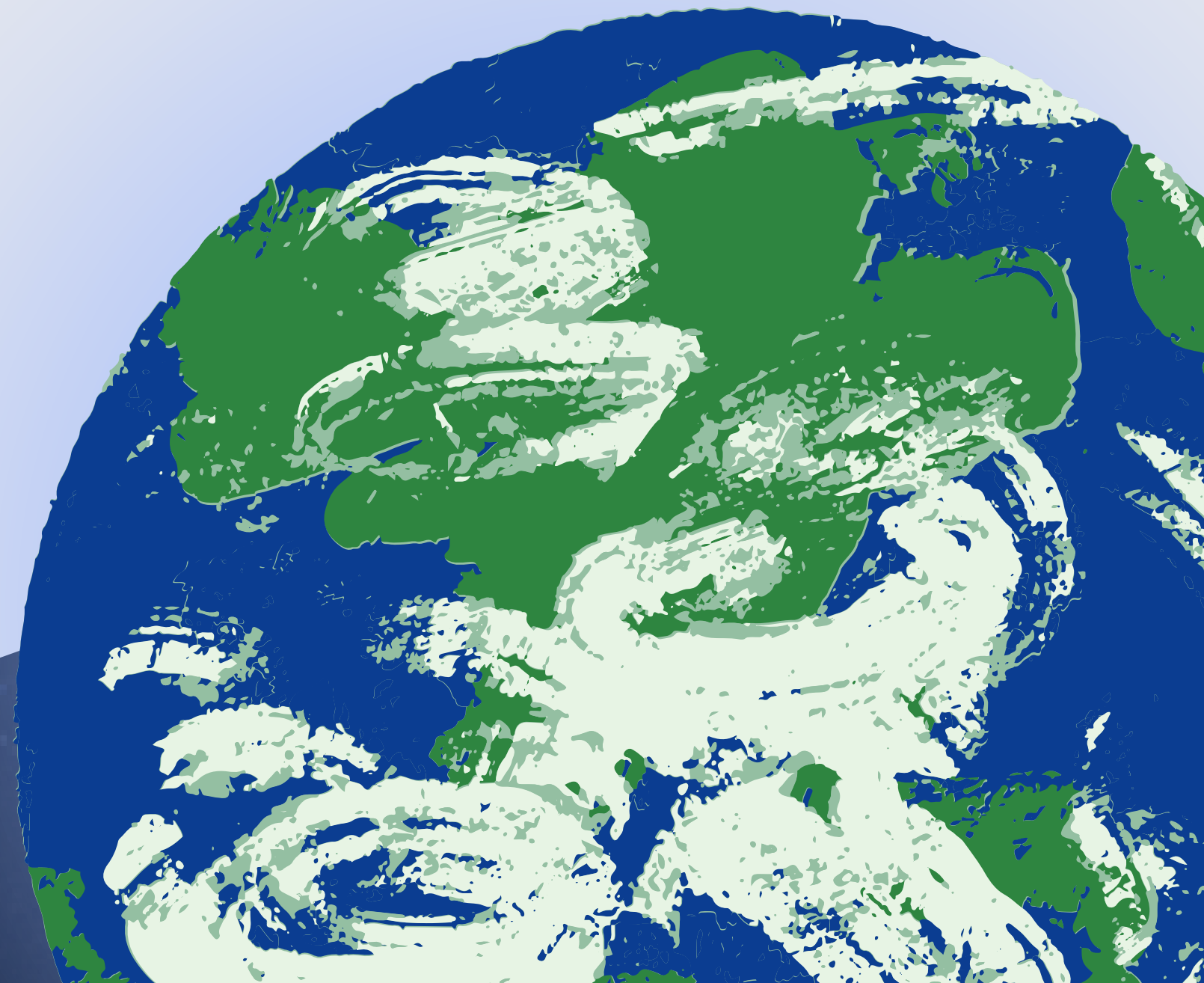
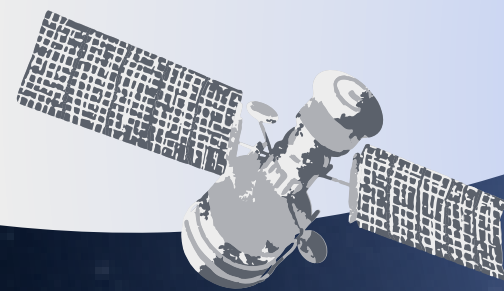
Software



SWIFT System



WHY SAUDI SWIFT SAT ?



SWIFT

SAUDI SWIFT SAT

1

ADVANCED TECHNOLOGIES

To provide an innovative and advanced solution to the problem of oil spills in the seas

2

ENVIRONMENTAL IMPACTS

On the marine environment and affected communities by reducing oil pollution and protecting biodiversity

3

POTENTIAL PARTNERSHIPS

Possibility of cooperation with space agencies, satellite companies and environmental organizations

4

QUALIFIED TEAM

and enthusiastic and has the experience necessary to successfully implement the project

5

SUSTAINABILITY

aSustainability
Improving water quality and health of the marine environment

WHY SAUDI SWIFT SAT ?

BUSINESS MODEL CANVAS

KEY RESOURCES

- INTANGIBLE RESOURCES SUCH AS PATENTS AND LICENSES .
- SCIENTIFIC DATA RESOURCES .
- MATERIAL RESOURCES TO PROVIDE THE EQUIPMENT AND MATERIALS TO OPERATE THE PROJECT EFFECTIVELY .
- FINANCIAL RESOURCES TO PROVIDE THE FINANCING FOR THE PROJECT .
- ADMINISTRATIVE RESOURCES TO PROVIDE TRAINED ADMINISTRATIVE PERSONNEL TO MANAGE THE PROJECT AND IMPLEMENT OPERATIONS EFFICIENTLY AND EASILY



CUSTOMER SEGMENTS

- THE SAUDI SPACE AGENCY(SAAS)
- SAUDI ARAMCO
- SABIC (SAUDI BASIC INDUSTRIES CORPORATION)
- MEWA (THE MINISTRY OF ENVIRONMENT, WATER AND AGRICULTURE)
- THE NATIONAL CENTER FOR WILDLIFE DEVELOPMEN



VALUE PROPOSITIONS

- PRESERVING RESOURCES AND ENVIRONMENTAL SUSTAINABILITY (MARINE WEALTH, OIL)
- LOW COST MODERN TECHNOLOGIES (RENEWABLE ENERGY, 3D PRINTING, AUTOMATION AND ARTIFICIAL INTELLIGENCE, CLOUD COMPUTING, BLOCKCHAIN)
- STABILITY (LONG-TERM, NOT REQUIRE CONSTANT MAINTENANCE)
- ENERGY EFFICIENCY AND USE OF RENEWABLE ENERGY (SOLAR ENERGY)
- DATA SECURITY (BLOCKCHAIN)
- ADAPTABILITY AND RELIABILITY
- COMPATIBILITY AND SCALABILITY
- EASE OF USE



CUSTOMER RELATIONSHIPS

- CONFIDENTIALITY OF THE INFORMATION .
- PROVIDING THE NECESSARY TRAINING AND AWARENESS FOR EMPLOYEES AND PARTNERS ABOUT THE PROJECT .
- DEVELOP PLANS TO MANAGE POTENTIAL RISKS AND SUBMIT PERIODIC REPORTS TO EVALUATE PERFORMANCE AND PROVIDE UPDATES .
- AUTHENTICATION AND AUTHORIZATION .
- FOLLOW THE PRINCIPLES OF ETHICS AND MAINTAIN THE REPUTATION OF THE BUSINESS AND THE PROJECT.



KEY ACTIVITIES

- IMPROVING AND DEVELOPING CURRENT TECHNOLOGIES TO ACHIEVE THE PROJECT OBJECTIVES.
- COLLECT AND ANALYZE DATA TO ACHIEVE AND MAKE STRATEGIC DECISIONS.
- COORDINATE AND MANAGE ALL AVAILABLE ACTIVITIES AND RESOURCES EFFECTIVELY AND ON TIME.
- BUILDING STRONG RELATIONSHIPS WITH PARTNERS AND ENTITIES FOR THE DEVELOPMENT AND SUCCESS OF THE PROJECT.
- PROVIDING TECHNICAL AND ADVISORY SUPPORT TO CUSTOMERS AND PARTNERS TO ENSURE THAT SERVICES ARE USED CORRECTLY AND EFFECTIVELY.
- APPLYING HIGH QUALITY TO PROVIDE HIGH QUALITY SERVICES TO MEET CUSTOMER NEEDS.
- DEVELOP EFFECTIVE MARKETING STRATEGIES TO PROMOTE SERVICES AND ATTRACT MORE CUSTOMERS.
- MONITORING OIL LEAKS IN REAL TIME AND INFORMING THE RELEVANT AUTHORITIES



KEY PARTNERS

- GOVERNMENTAL AND INTERNATIONAL BODIES.
- GOVERNMENT AND INTERNATIONAL MINISTRIES.



CHANNELS

- PARTNERSHIPS WITH GOVERNMENT AGENCIES OR MAJOR COMPANIES .
- COOPERATION WITH GOVERNMENT AGENCIES AND EDUCATIONAL INSTITUTIONS .
- PROMOTION AT CONFERENCES AND EXHIBITIONS .
- EXPORTING .



COST STRUCTURE

- UPFRONT COSTS
- OPERATIONAL COSTS (OPEX)
- CAPITAL EXPENDITURES (CAPEX)



REVENUE STREAMS

- PATENTS AND LICENSES .
- GOVERNMENT FINANCING .
- COLLABORATE WITH OTHER COMPANIES OR INSTITUTIONS ON JOINT RESEARCH PROJECTS .
- INTERNATIONAL SUBSCRIPTION FEES FOR MONITORING THE SEAS AND OCEANS .
- INTERNATIONAL SUBSCRIPTION FEES FOR MONITORING THE SEAS AND OCEANS .



Mission complete!

Thank You !
Looking Forward to the Next stage

