# MINING ON THE MOON

Lunar Ice

## WHAT CAN WE DO WITH LUNAR ICE?





The main components of water — hydrogen, and oxygen — are two of the biggest materials that are used to power rockets right now. And making rocket propellant out of the water on the Moon could drastically cut down on the cost of doing ambitious missions in space

Usable as drinking water and fuel lunar ice can enable a sustained presence on the moon



In conjunction with other volatiles found in the lunar regolith such as oxygen and methane, to support energy, construction, and manufacturing.

#### WHO ARE WE, AND WHAT ARE WE BECOMING?

- A French mining oil and gas corporate expanding its activity to the moon. The new branch, Lunar Ice is, specialized in ice extraction on the moon, teaming up with space X, the American heavy launch vehicle manufacturer
- The future of the branch is to be a rocket propellant manufacturer on the moon to allow rockets to refuel on the Moon



Lunar Ice

### FROM EARTH TO THE MOON

#### A French mining corporate expanding its activity to the moon.

tivity to Now Oil & Gas What?

How?

Mining Earth

Future

Lunar Ice

Lunar Ice

Ice Extraction & Transformation

#### Mining Moon

The future of the branch is to be a rocket propellant and Water supplier on the moon



## **STAKEHOLDERS ANALYSIS**

#### Stakeholders

Investors

Systems Engineers

Human Factors Engineers

Space X

Scientists & Academics

Space agencies

#### Needs

Profitability

Successful missions

Efficient Technology Design

Technology sharing & compatibility

New domains of exploration

Sustainable fuel & water

#### KPIs

#### ROI

- Overall Equipment Efficiency
- Efficient Technology Design
- Functioning robots
- Technology improvement rate

Fuel & water sales

#### dade4Innovations R&D/E

#### **BUSINESS PROCESS MODELING NOTATION**



SLB-Private

## **TRANSFORMATION RISKS & CHALLENGES**

Impact



HSI can mitigate these risks

## THANKS

Lunar Ice