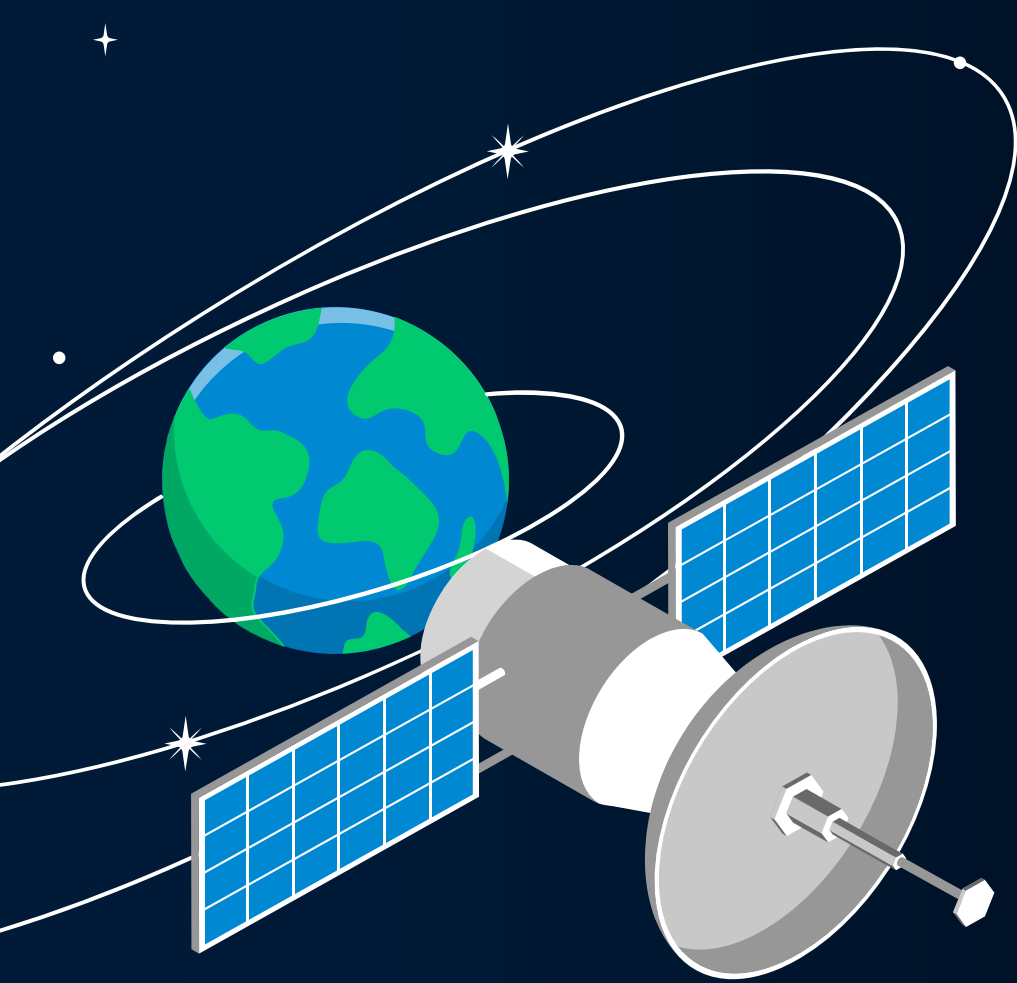


Group C MIC constellation



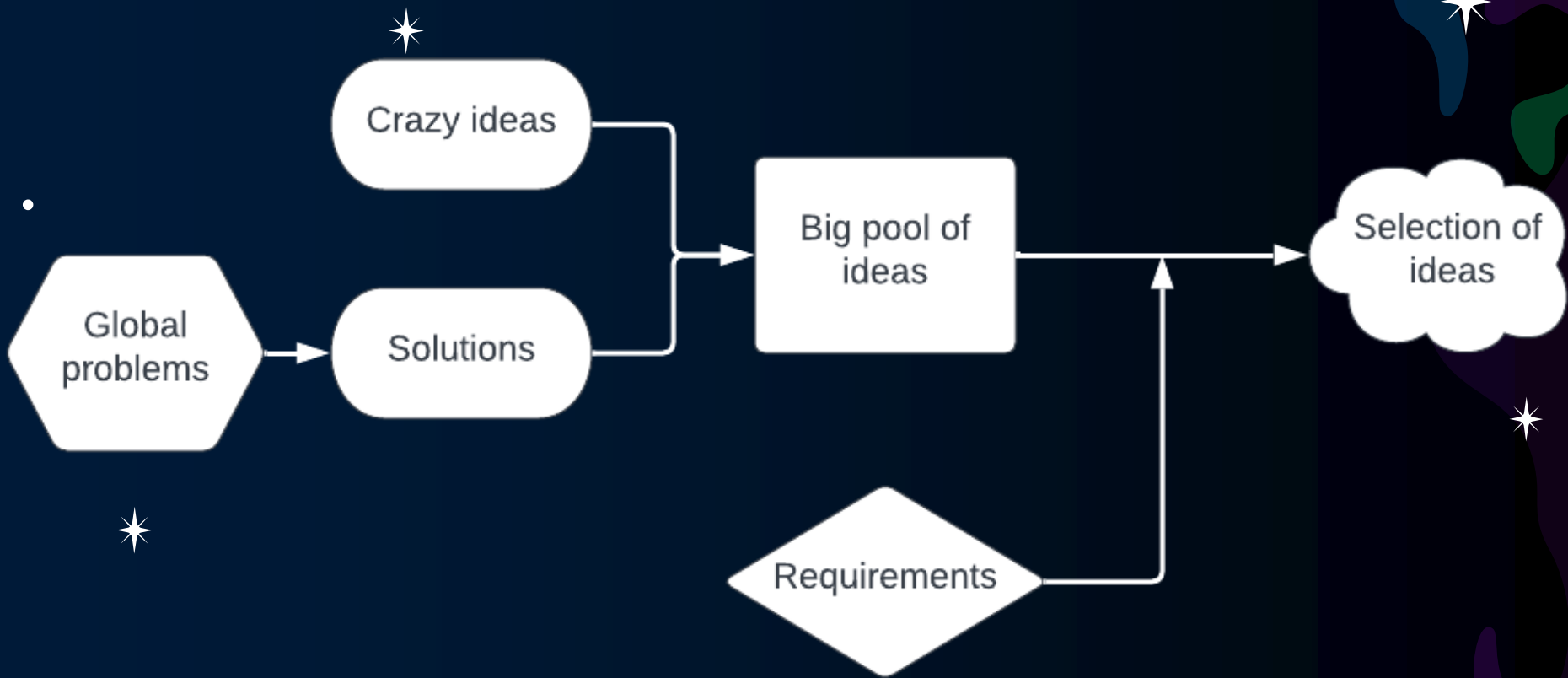


Brainstorm

- Crazy ideas
- World problems
- Solutions

UNISEC platform

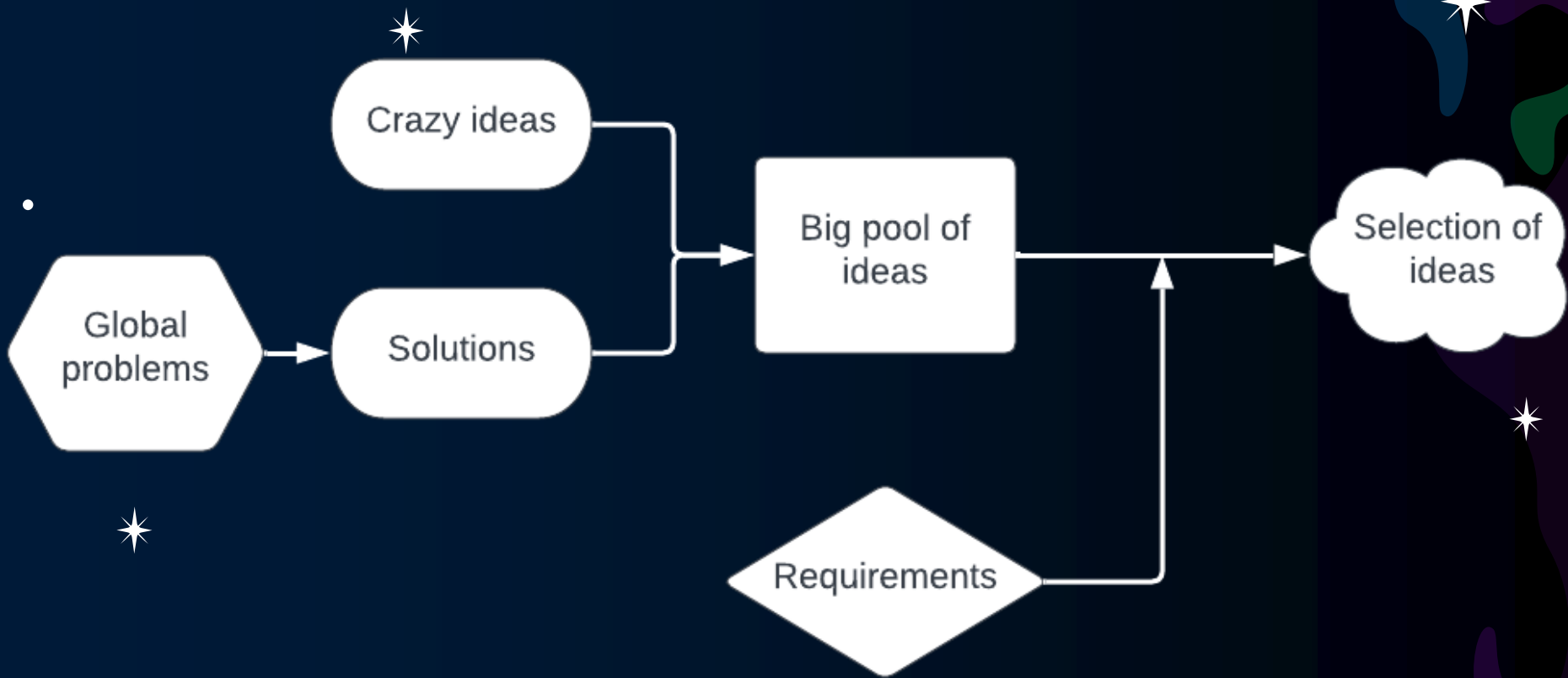
Technical specifications BUS



Crazy ideas

•What can be the missions:

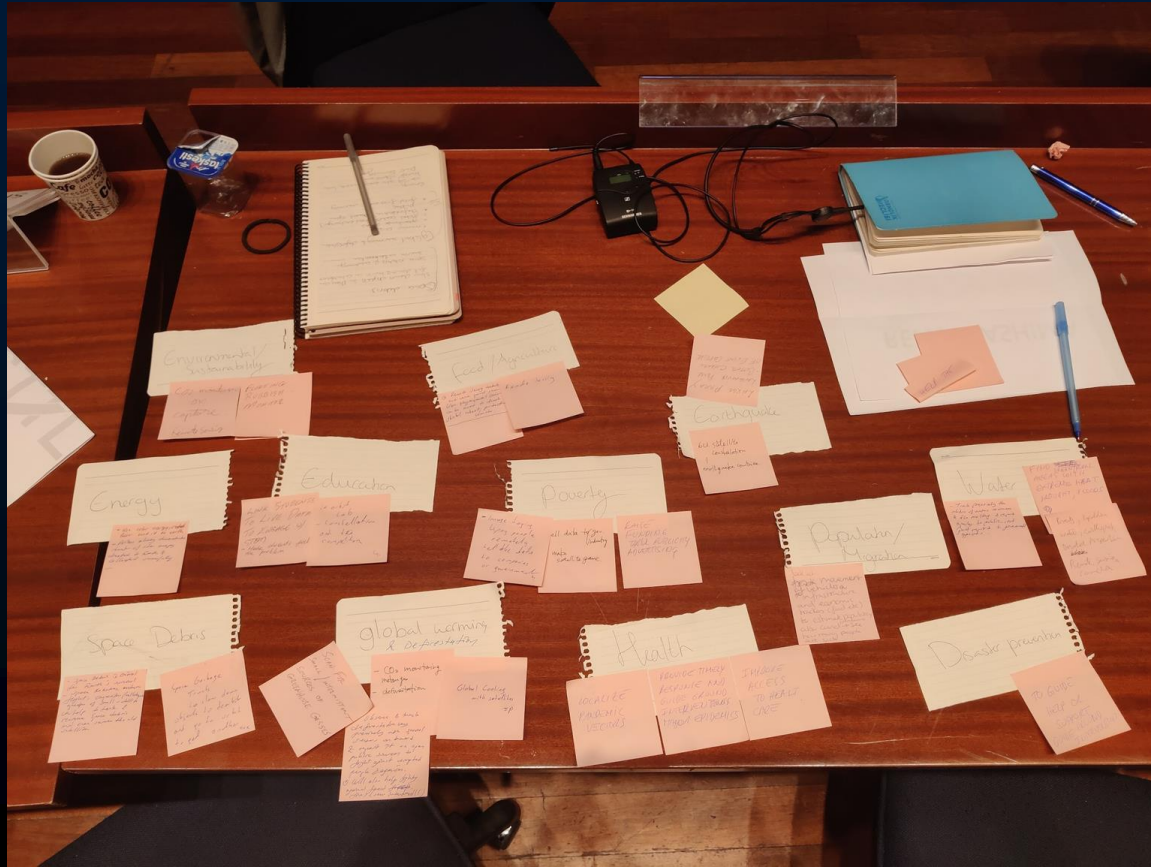
- Solutions to the global warming:
- Space debris, collection (3)
- Energy from space
- Disaster prevention (whether storms), or get energy harvesting
- Environmental sustainability, pollution prevention (2)
- Forest monitoring /deforestation(for Corruption prevention)
- Food/agriculture
- Environmental monitoring of water resources (for Corruption prevention)x2
- Capturing CO2 to repair Ozon x2, metan gas monitoring
- Museum world heritage site
- Earthquake early warning (occult)
- Amateur astronomy telescopes
- Extra solar system observation, deep space
- Population monitoring of countries,
- Advertising from space, constellation, warning from space
- Arise student interest, with their design, laser observation



Brainstorming...



Brainstorming...





Requirements

Beneficial for the entire world

Cost requirement

Innovative

Sustainable

Expandability and repeatability

Multiple satellites are needed for the mission

Feasible technology

Achievable to an international group

Potential for commercialization

Mission attractiveness

Revisit time

Robust to failure


Crosslink data

Multisite/multiplane

Presenting:

The Robin Hood Constellation





Possible Technical Characteristics
And
REAL WORLD Problems/Benefits

Possible Technical Characteristics

- Revisit Time (Number of satellites + Benefits) One is okay but not enough
- Payload: Multi or Hyper Spectral Camera
 - Subsystems: Deployable Solar Panels, ADCS (3 axis stabilized with GNSS), X or S Band communication
- Post Processing
- Ground Station (not everybody has an X or S band station)

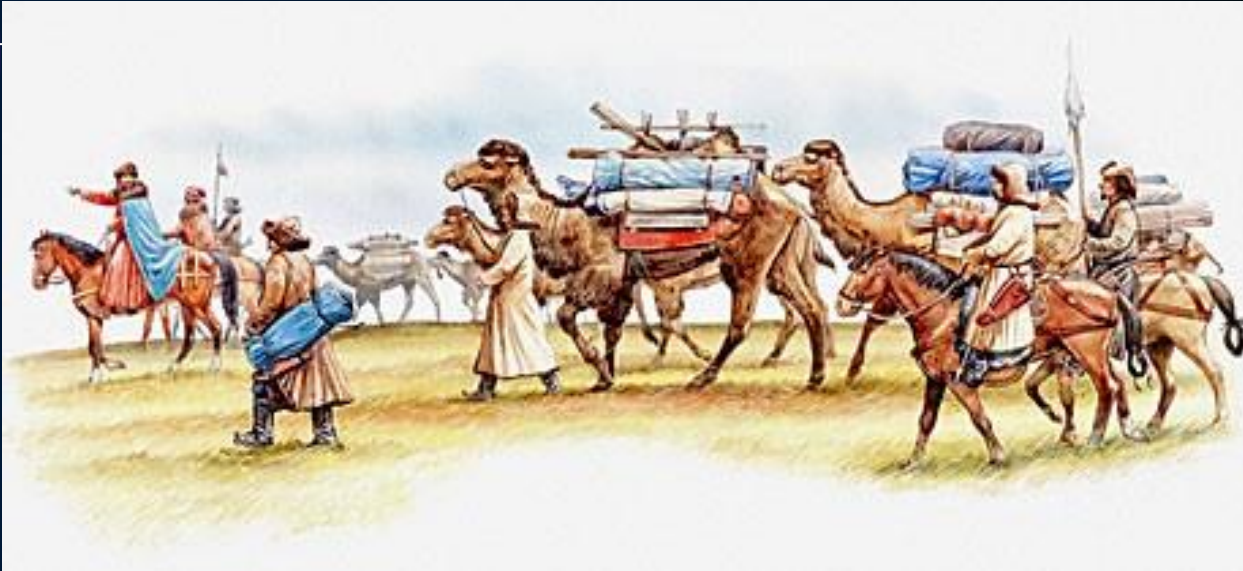
REAL WORLD Problems/Benefits

- Impact on society
 - Open access data (a little expensive than free)
- Sustainability
 - UN Goals (1, 10, 17)

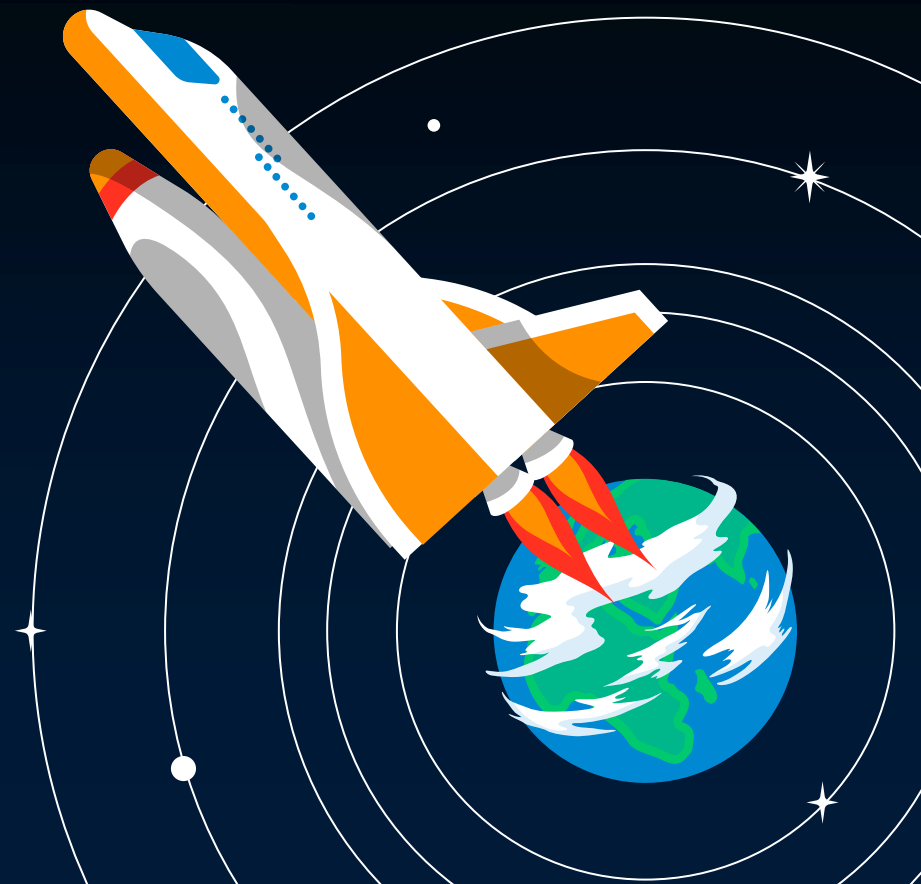


REAL WORLD Problems/Benefits

- Companies will not be happy!
 - Providing free data while they sell the same
 - UNISEC sells it, fund UNISEC help the less fortunate



**Thank
you!**



The Team!

