



ACTGRUPA

Google
LUNAR

X PRIZE



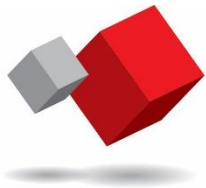
Strato

WAVE Connect

Od jarbola do stratosfere
Na putu prema mjesecu

ZCER
STARTUP
FACTORY

HAMAG



BIRO

A3

Vilko Klein

Ivan Nikolić i Vilko Klein



Od 2003 godine....



**Solution
Architecture**

Vilko Klein

m.Sc Aeronautical Eng.
/ PPL
CEO/CTO



**Business
Development**

Ivan Nikolić

25 years in
IT and BizDev
COO

Od police dućana do WiFi rekorda

Sveučilišna regata / 2003



Internet iznad Zagreba / 2003



WiFi Aeronautika FPZ / 2010

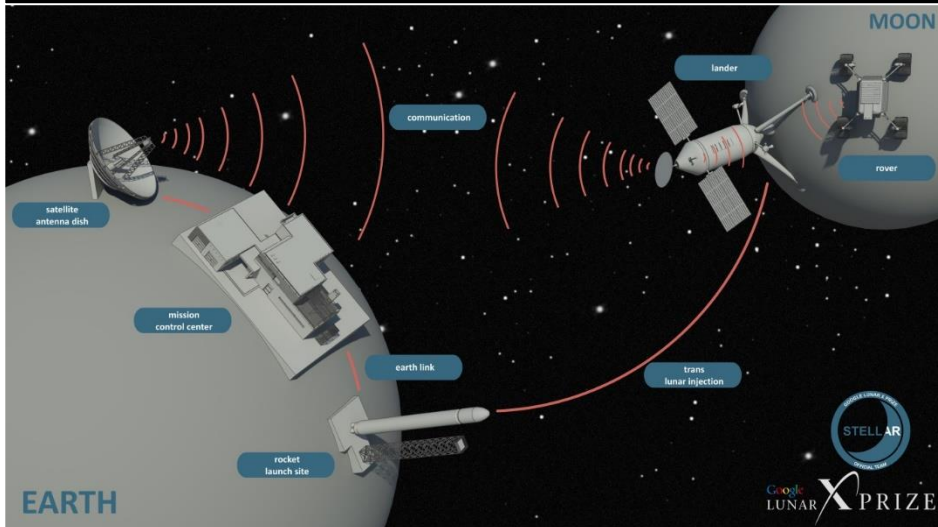
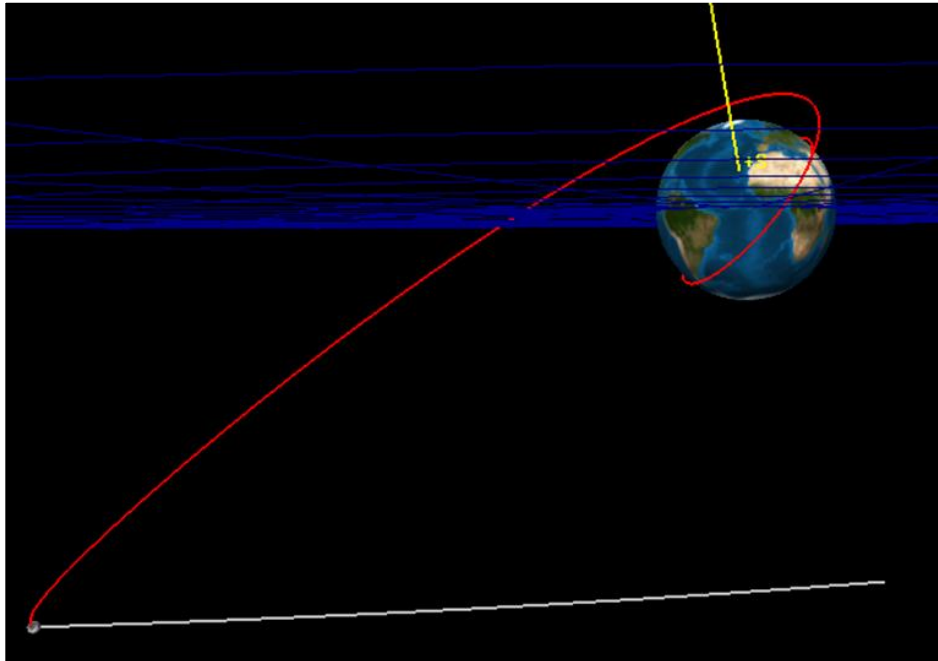


Stratosfera 32 km / 2014

Duga Resa 50 km / 2018

SkyWatcher i ZICER

GLXP Days...



2011-2015

Okupljen tim od 20-tak ljudi
Od Australije, preko Azije,
Kroz Europu do obje Amerike

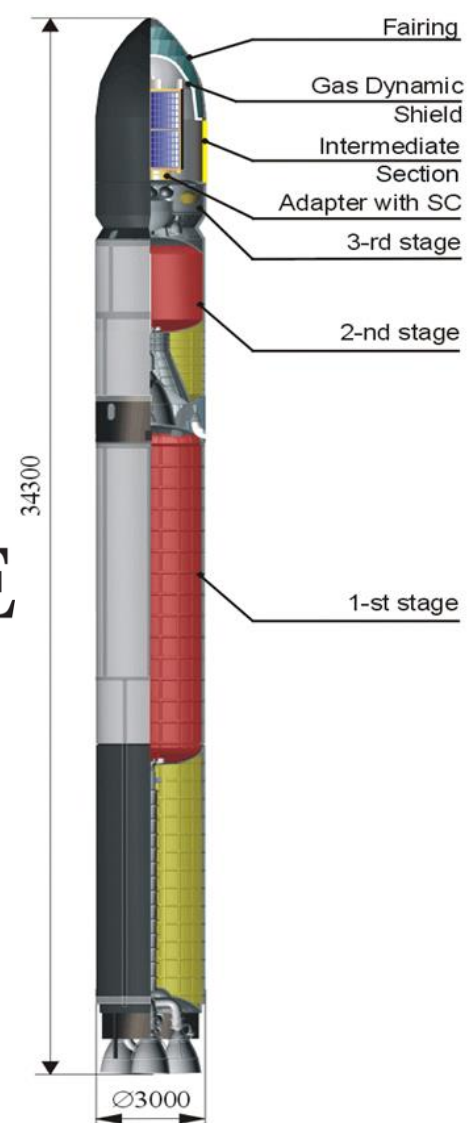


Terrestrial Milestone Prize Judging Feedback
25 January 2014

Team: Stellar
Category: Mobility

Positives

The MDDP provided by Team Stellar was very informative as to Team Stellar's approach and ideas. Team Stellar has adequately described its approach to addressing the technical challenge of mobility. The team's mission concept was considered strong.



„StratoWave Connect” company

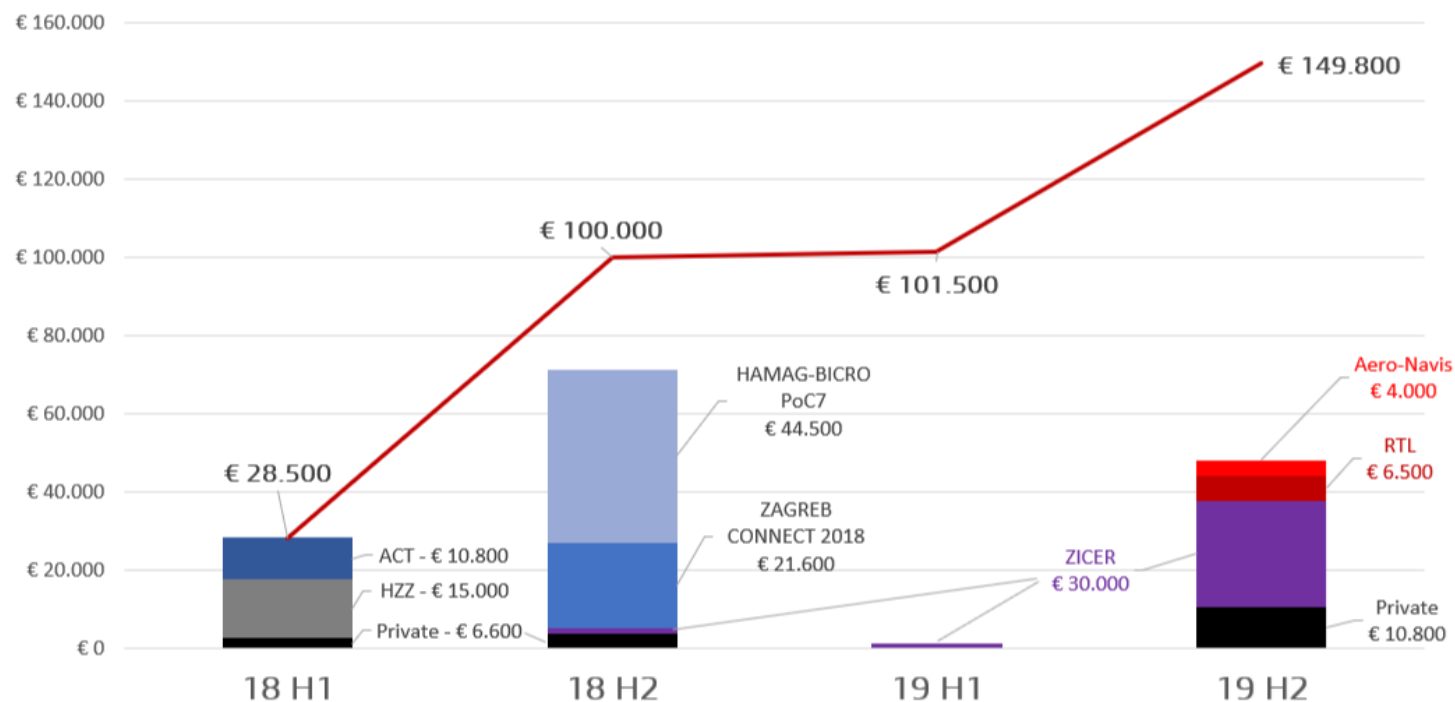


**Osigurano 150.000€
u prvih 20 mjeseci**

2018 ACT grant	10.000 €
2018 Zagreb Connect	21.000 €
2018 PoC7	65.000 €

2018 ►

- Dalekometne komunikacije za bespilotne letjelice (+100 km)
- Hibridni multirotnorni dron (+4:00 sati) Patent Pending



Današnji StratoWave Team



**Solution
Architecture**

Vilko Klein

m.Sc Aeronautical Eng.
/ PPL

CTO, interim CEO



**Business
Development**

Ivan Nikolić

25 years in
IT and BizDev

COO



**Mechanical
Engineering**

Jasmin Juranić

m.Sc. ME,
PhD candidate

world's 13th in CAD/CAM
PhD Intern in Daimler



**UAV
Development**

Josip Kovač Levantin

airbus 320 pilot
head of FPZ drone lab
Unmanned Systems
Operations
A32x First Officer / ATPL

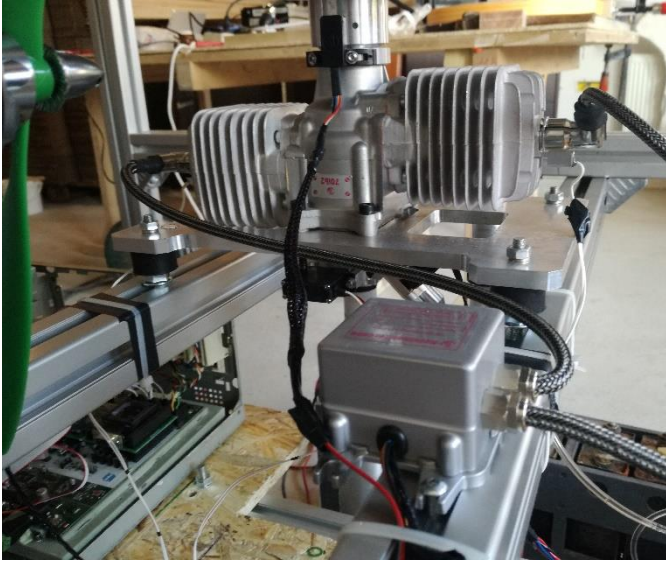


**Business
Strategy**

Stephanie E. Trpkov

EMBA, World Bank Group
15 years in strategic
industrial transition

HYPER-M / PoC7 / 470.000 kn



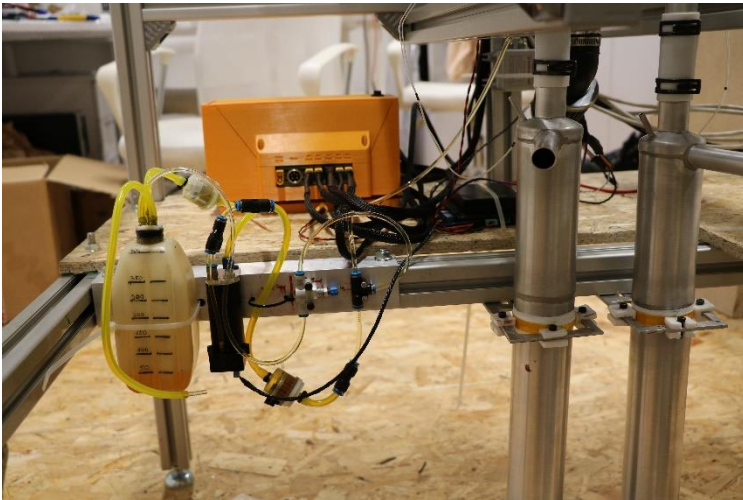
3W ICE



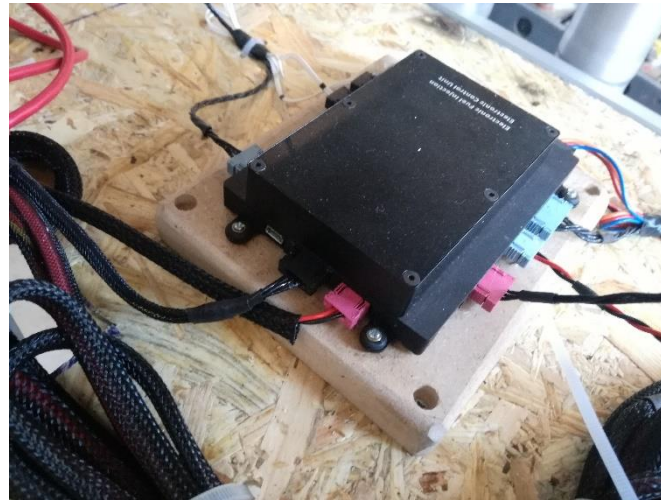
VESC controllers for BLDC & DC motors



Central processing unit and switching board



Fuel injection elements



3W EFI computer

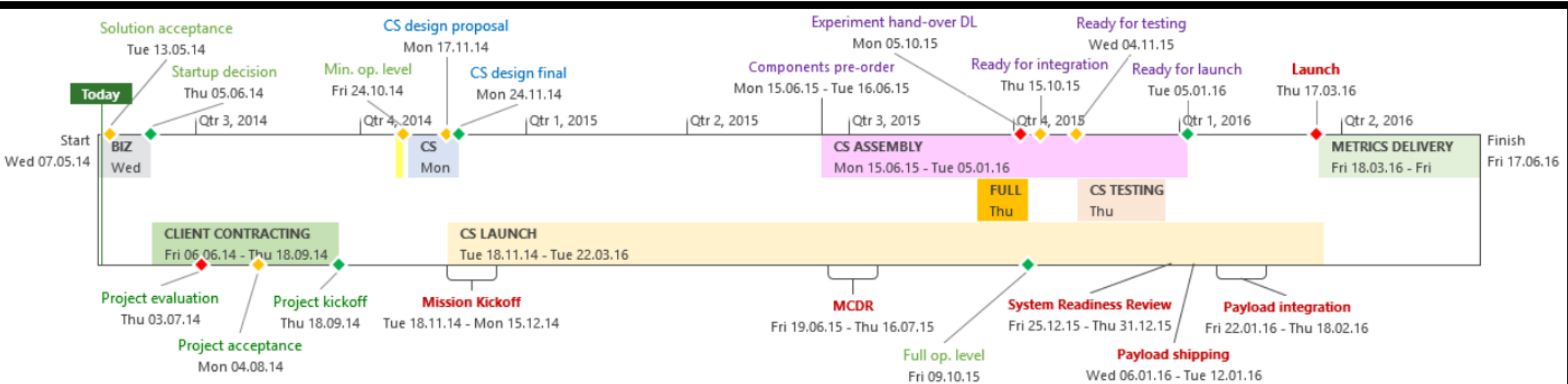


REPB central electric power bank

Cube Sat iskustvo - management

1. Studija izvedivosti i isplativosti
2. Ugovaranje 1. posla
3. Pokretanje poslovanja
4. Ugovaranje lansiranja
5. Izrada projekta satelita

6. Sklapanja satelita
7. Testiranje satelita
8. Isporuka satelita
9. Lansiranje
10. Izvještavanje



Cube Sat iskustvo – priprema misije

NASA COMPASS

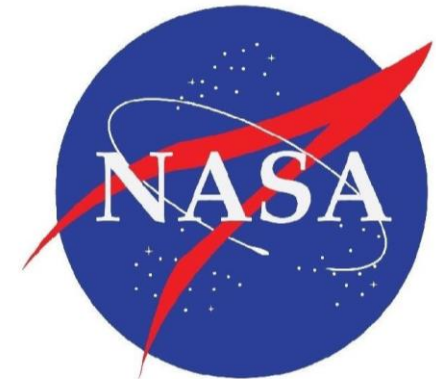
COllaborative **M**odeling and
Parametric **A**ssessment of **S**pace
Systems

1. Mission Description

- analysis assumptions
- analysis event timeline

2. Baseline design

- Top Level design
- Master Equipment list (MEL)
- Power Equipment List (PEL)
- System Level Summary
- Design Concept



Cube Sat iskustvo – priprema misije

3. Subsystem Breakdown

- Communications
- Avionics
- Electrical Power System
- Structures & Mechanisms
- Thermal control

4. Cost, Risk and Reliability

- Costing
- Cost Modeling Assumptions
- Cost Modeling Approach

- Requirements
- Assumptions
- Design & MEL
- Trades
- Analytical Methods
- Risk Inputs
- Recommendation

=



Završna riječ



**A3 konzorciju
predlažemo svoje
bogato znanje i
višegodišnje
iskustvo**

Strato **WAVE**
Connect

Hvala



Strato **WAVE**
Connect

Pitanja & Odgovori

Vilko Klein
m.Sc Aeronautical Eng.

vilko@stratowave-connect.hr

+385 91 502 17 88