

ARLISS 2005

University of Tokyo, B3 Open Class

# Team “A-Boys”

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A-Boys are ...

Masaru Koga

Minoru Inui

Takayuki Taguchi

Takaya Inamori

Keigo Yoshida

Motohiro Inoue

Our Satellite is “*Scorpion!*”



# A in A-Boys means...

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1. Aeronautics
  2. Astronautics
  3. ARLISS
  4. Akihabara
  5. Aho
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# Missions

- Come back to the target



# Success level

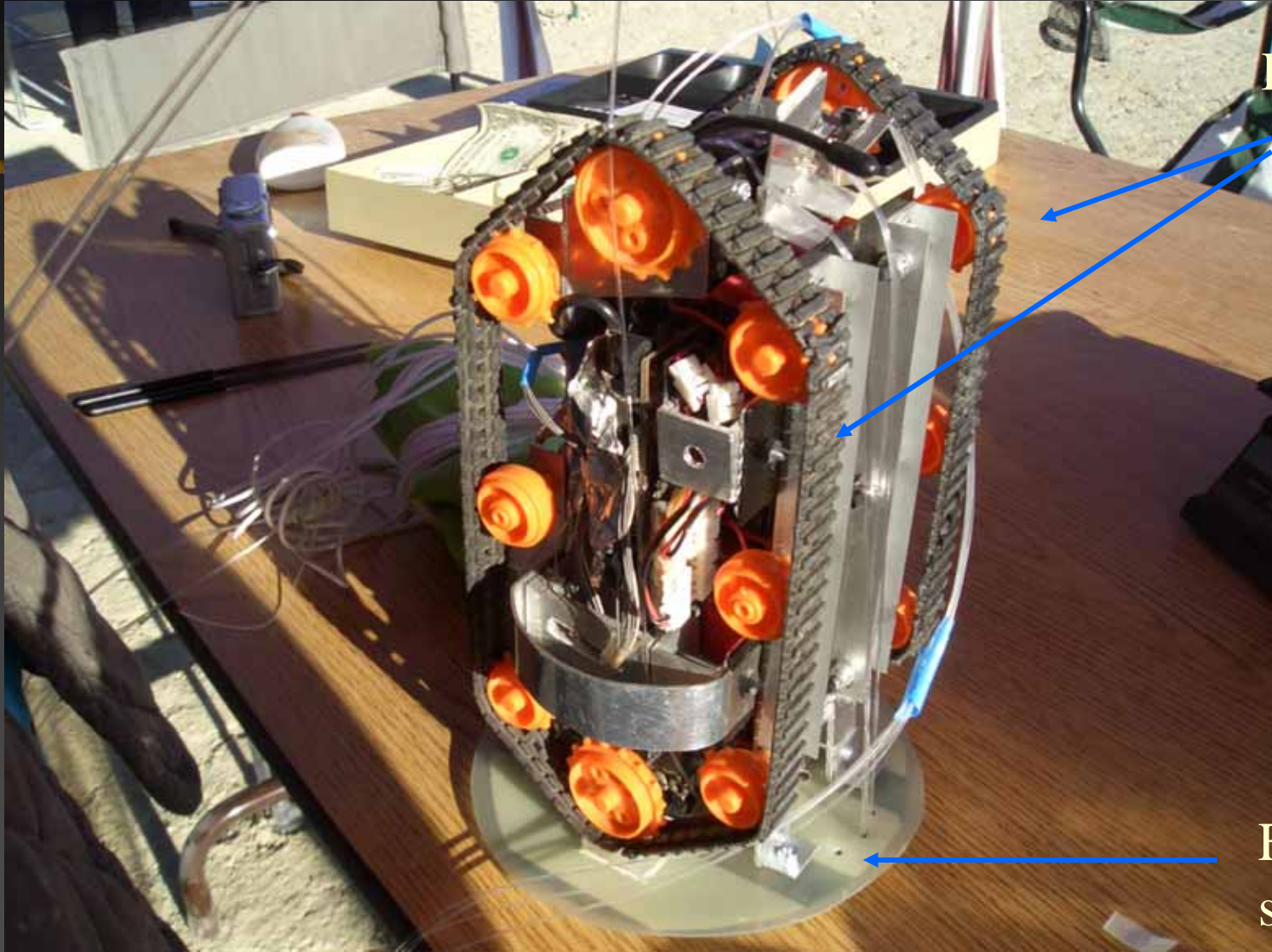
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- Minimum success
    - Each machinery works properly
  - Normal success
    - To endure the shocks and
  - Full success
    - Approach the target correctly
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# Features...

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- Hexagonal Crawler
    - High Performance over Bad Road
  - Fixation structure
  - 2 GPS Sensors, Each on Both Side
    - Keep Running when Overturn
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Hexagonal  
crawler

Fixation  
structure



# Result





# Result

- Found at 7.6km from the target
- Most of the systems did not work.
- Both parachute and fixation structure did not separate from the body



# cause

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- OBC came out of electric board.
- Nichrome wire was cut by shocks.

