

The Report of Human Powered Air Craft Team 'Windnauts' through 2015 Shin Matsuzaki(Manager), Yushin Hara(Wing part chief) Tohoku University Windnauts 2015

The record of Windnauts 2015

In 2015, We Windnauts attended Birdman Rally. Birdman Rally is longstanding Human Powered Aircraft (HPA) tournament in Japan. We took part in distance section, which is competing

in distance from platform to landing on the water. This year, we were favored with fine weather throughout the rally. And get the record..

35,367m in 38th Birdman Rally

We became the champion in 38th Birdman Rally, distance section.

This record was the second farthest, the farthest is also our record in 2008, in the successive record. In addition, our fright got 'The Best Birdman prize' and 'The Mayor of Hikone prize.'

Flight route

Fragile steering and driving system →Be looking for programs and improve.

The contrivance of Windnauts 2015

In 2015, we decided on themes 'Win the Birdman rally in any conditions' and 'Safe and reliable management.' At rally, various conditions were assumed. We thought and made countermeasures And Windnauts is the very student manufacturing project. So we thought how soften economical, healthy and mental programs is also important.

Manager

During working, makers could not take care of management. So manager tried to announce some events, a load test for instance, and intermediate between each section. Working is terrible. So he also tried to give advice and do mental care actively.

Pilot

There were strong wind from lake to shore around platform. To realize the former theme, the training gives priority to high rotational speed than long time pedaling. To realize the later theme, pilot did health care cautiously and we reliably became aware of pilot is also important component in HPA.

Designer

Actively contacts

→Losing a work program between each section.

