





# Juan Velarde

## 28 Years of flying

# Airline Captain

# Aerobatics

# Vintage airplanes

# Air Race







# Red Bull Air Race

The fastest motorsport  
series on the planet







# Global Motorsport



## RACE CALENDAR 2017

REDBULLAIRRACE.COM



Speed

Precision

Skill

Innovation



# The Tracks





# The Tracks





# The Tracks



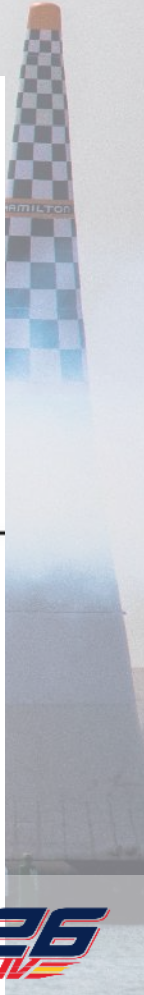
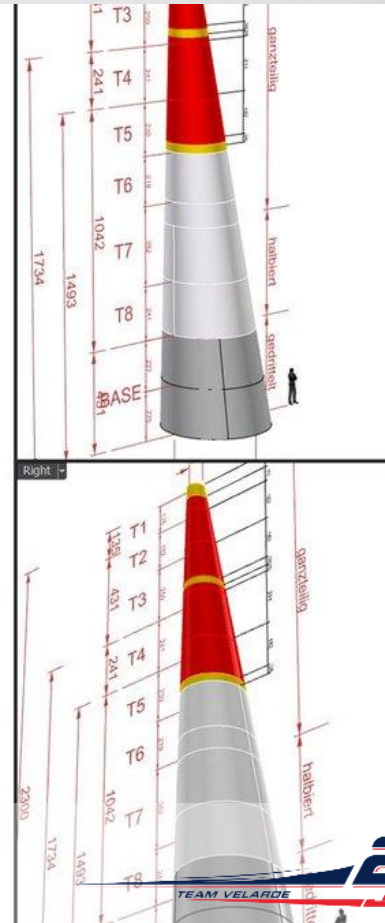
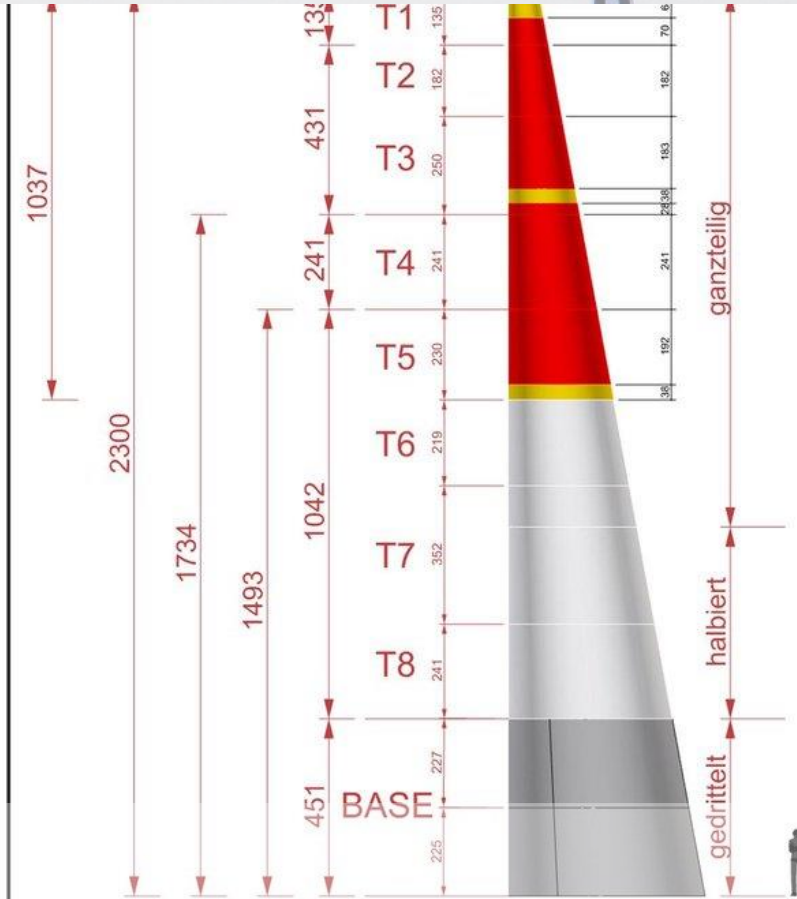


# The Tracks



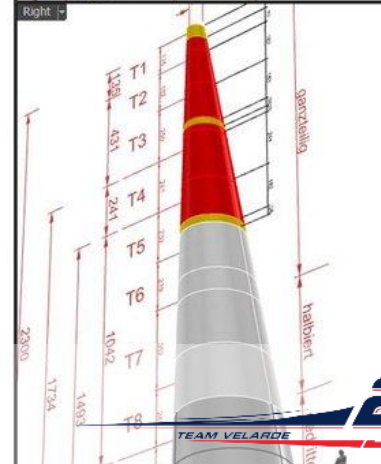
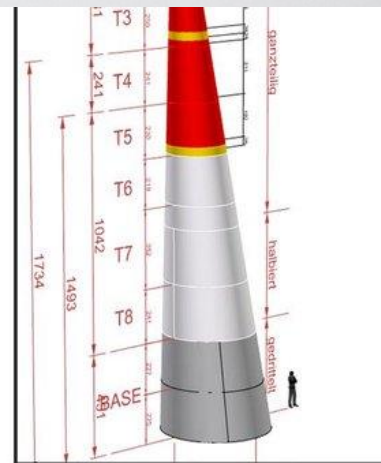


# The Pylons

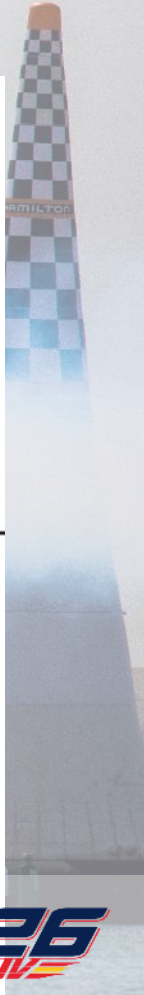
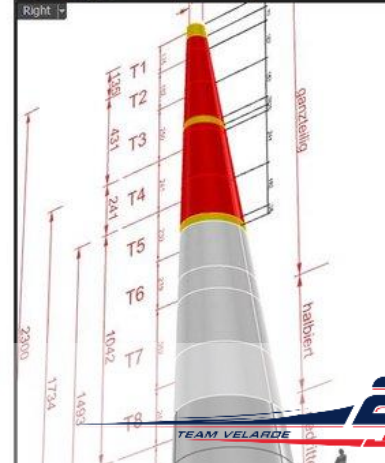
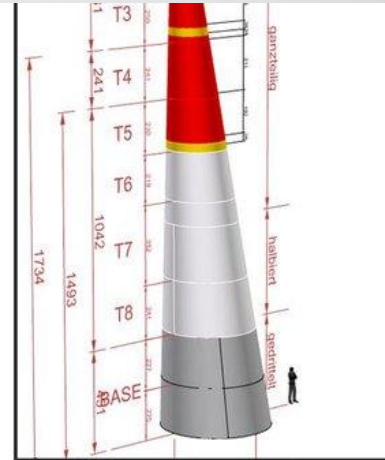




# The Pylons



# The Pylons





# The Pylons



# The Pylons





# The Pilots





# The Organisation





# The Organisation





# The Organisation





# The Organisation





# The Organisation







# Team Velarde

# Teamwork





# Team Velarde

Team  
Coordinator

Technician

Technical  
Director



# Team Velarde

- Engineers
- Psychologist
- Physiotherapist
- Sponsoring/Comms



# The Airplanes

A high-speed aerobatic airplane, likely a Red Bull Air Race plane, is shown in a steep climb. The aircraft is white with prominent red and yellow accents. It features the number '26' in large black letters with a red outline, the Red Bull logo, and 'X-FLY' branding. The cockpit is visible, showing a pilot wearing a helmet. The background is a blurred cityscape, suggesting high altitude and speed.

High performance

Power

Weight

Control

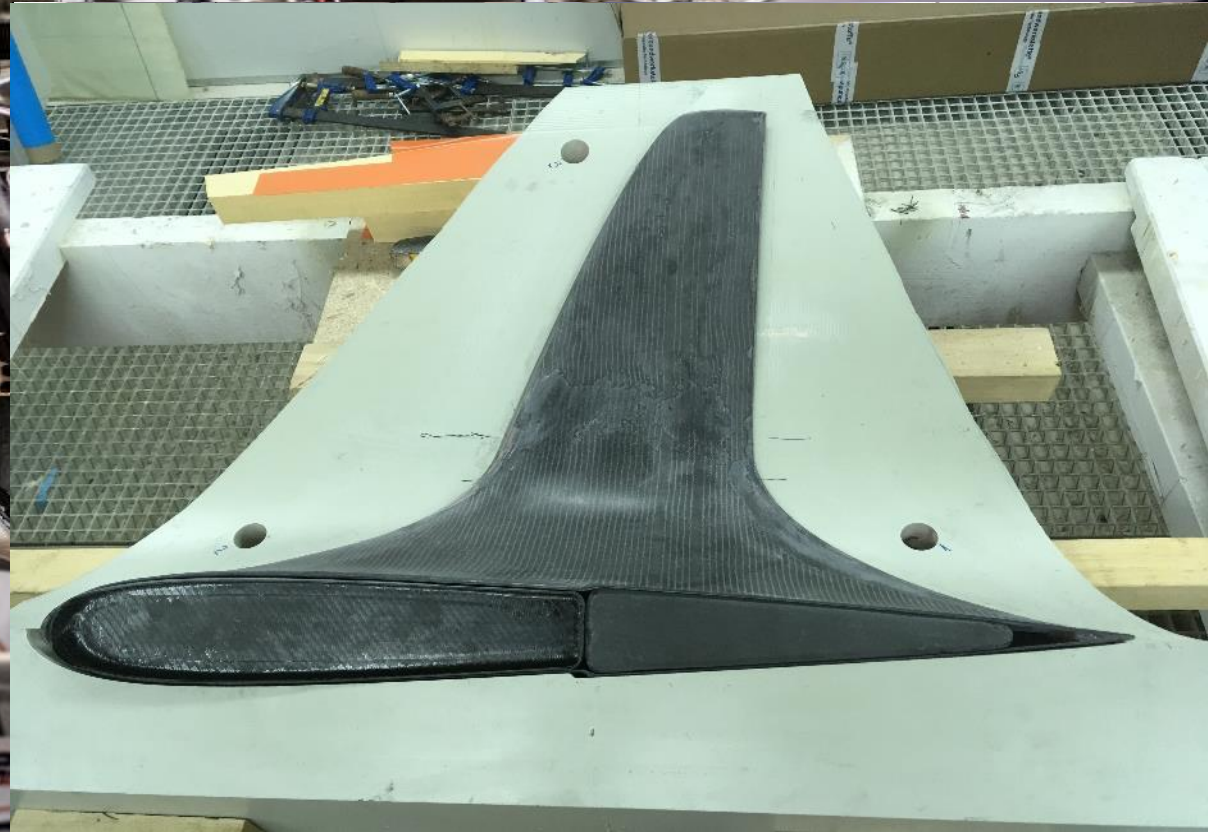
# Airplane modifications

Power

Electronics

Materials


Aerodynamics





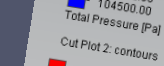
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0.0714286  
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-1.0000000

Surface Plot 1: contours



Tot

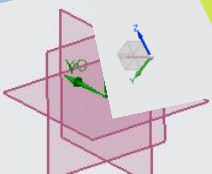
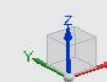
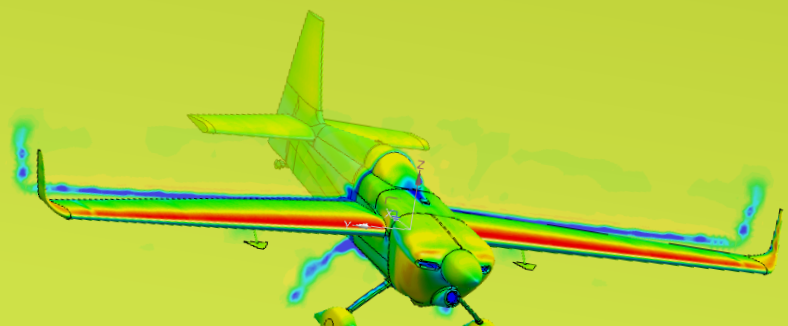
Cut  
Flow  
Flow



Mach Number [ ]

Surface Plot 1: contours

Iteration = 412



# The Competition:

Down to the thousandth of a second

Free Practice

Qualy

Round of 14

Round of 8

Final 4





# Technical preparation



Simulator

Flight data

Engine data



# Physical preparation: Up to 12 G's





# Physical preparation: Up to 12 G's





# Mental preparation



Visualization

Timing

Pressure

Safety





Thank you

[juanvelarde26.es](http://juanvelarde26.es)





