

Low Wind Speed Wind Tunnel

- Maximum Wind speed of 50 m/s (180 km/hour)
- Test section dimensions of 2.3 m wide, 1.5 m high and 6 m long
- Completed Research Projects Worth over RM 700,000.00
- Numerous Consultancy projects (worth over RM 200,000.00) completed for: NTU Singapore, UPM, UTM, SIRIM, TELKOM Malaysia, TNB, TNB suppliers, Oil and gas Industry, DAIKIN Research; 3M (Malaysia), etc.

Aerodynamics Lab

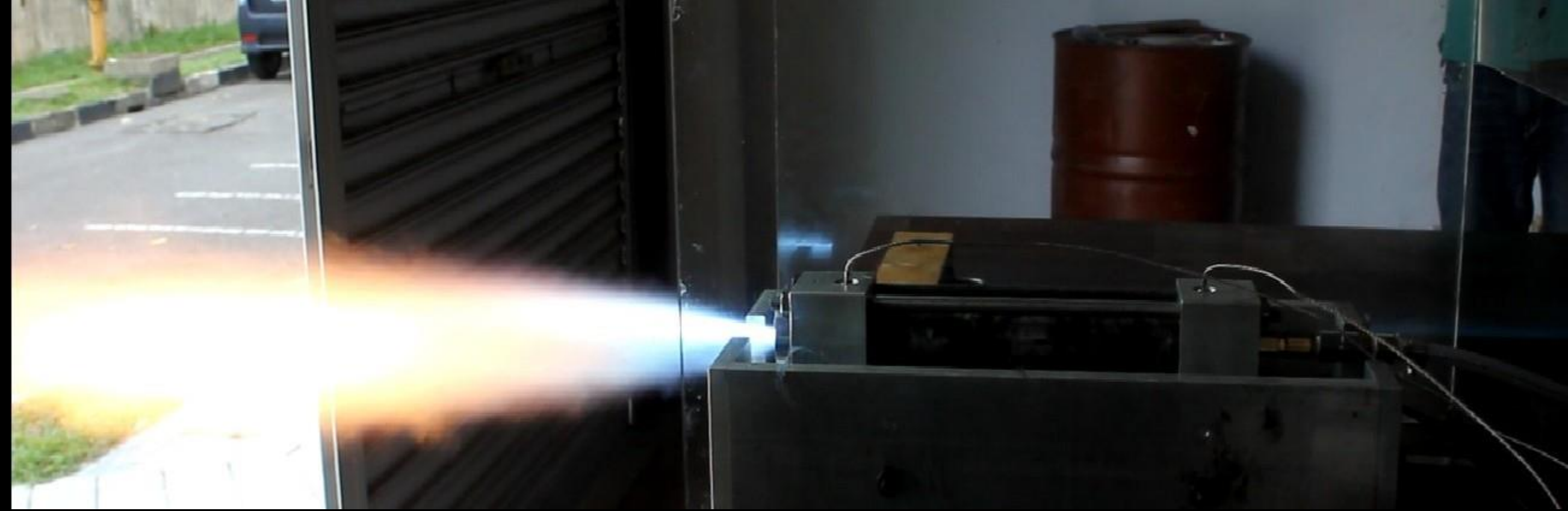
TQ S ubsonic Wind Tunnel

3 Component Balance

Intelligent Pressure Scanning Module

Hydrometer

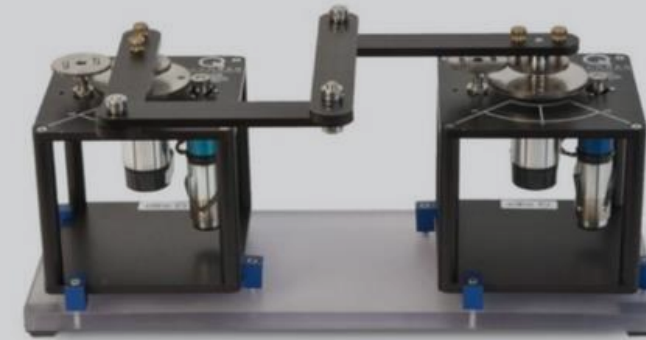




Propulsion Lab

Turbojet Engine Test Stand
Hybrid Rocket Test Bed
Ramjet & Pulsejet Test Stand

Rotary Servo Base Unit



2 DOF Robot



3 DOF Helicopter

Spacecraft, Guidance, Navigation & Control Lab

Rotary Servo Base Unit

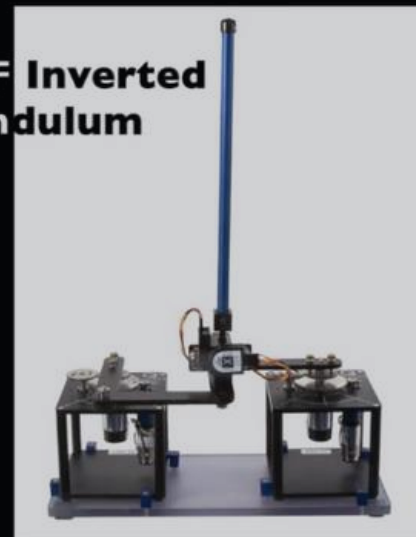
2 DOF Robot

3 DOF Helicopter

2 DOF Inverted Pendulum

Rotary Flexible Joint

2 DOF Inverted Pendulum



Rotary Flexible Joint



Structural, Vibrations & Dynamic Lab

Impedance tube

Vibration Test

3D Printers

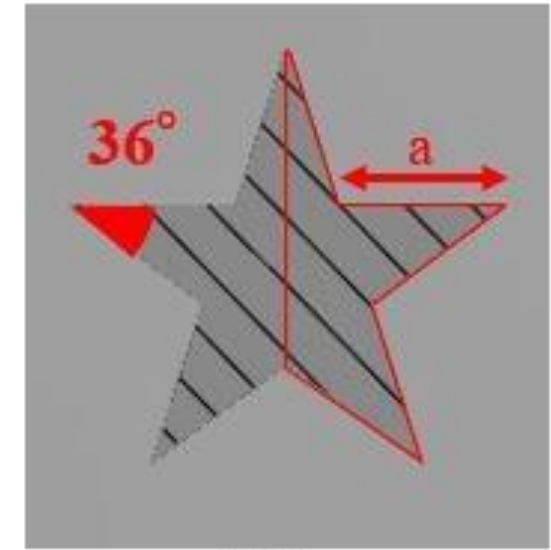
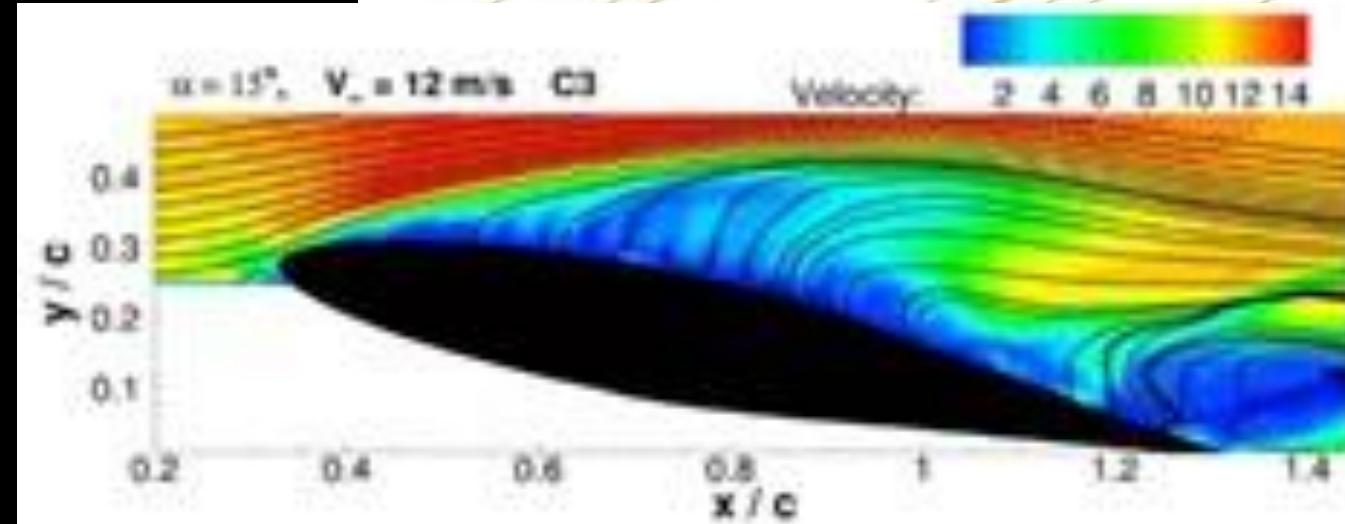
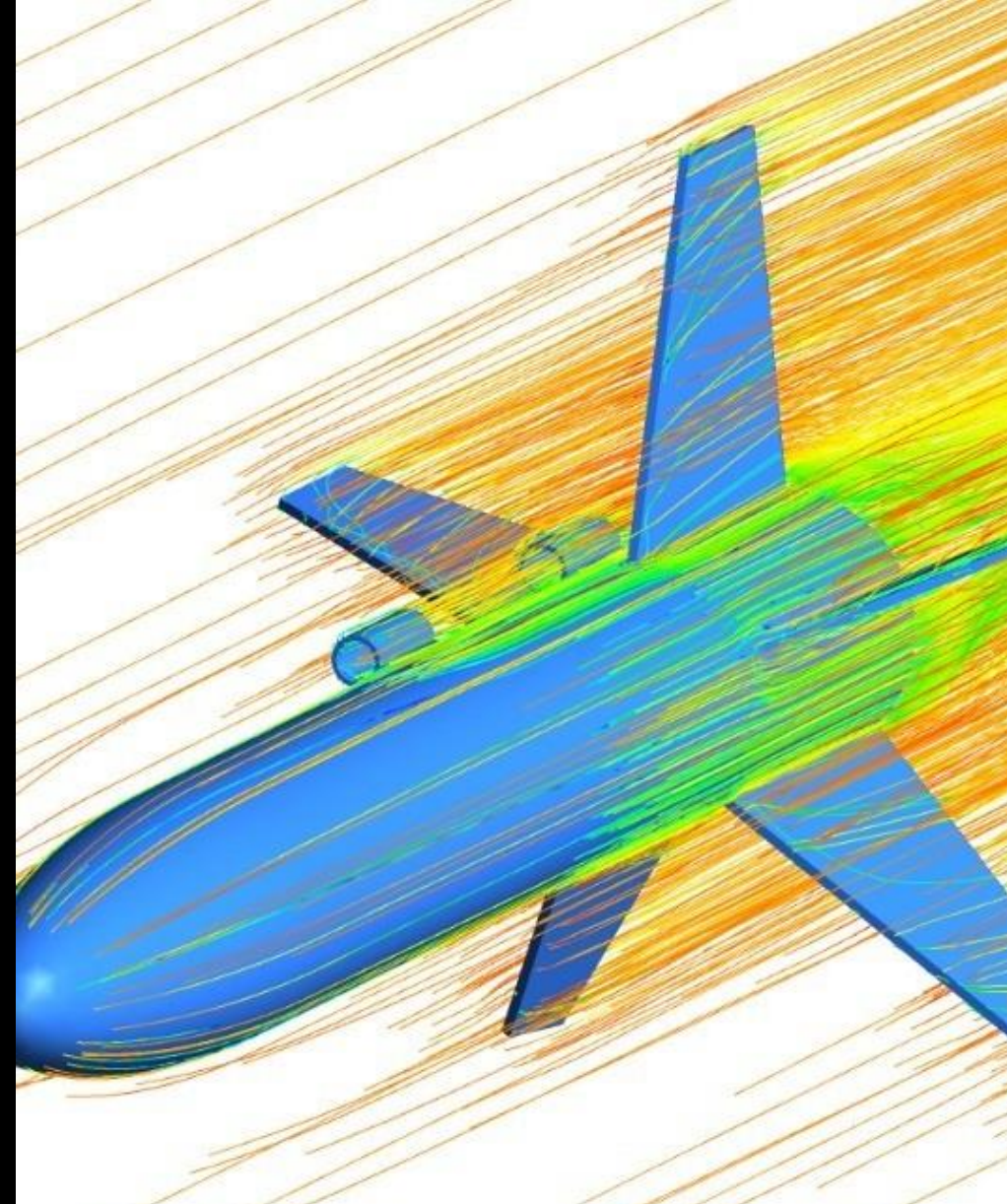
16 Channels Sound & Vibration Analyzer

Sound Intensity Probe Kit



CAD & Computational Lab

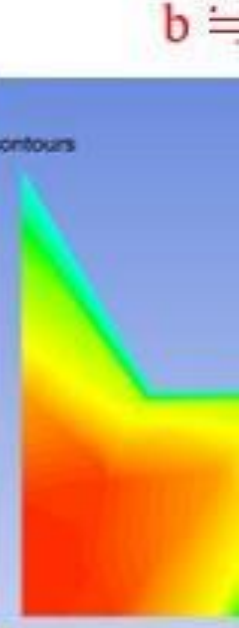
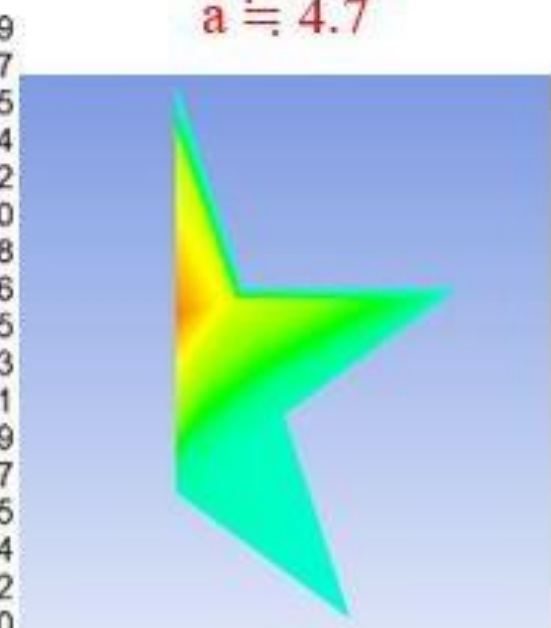
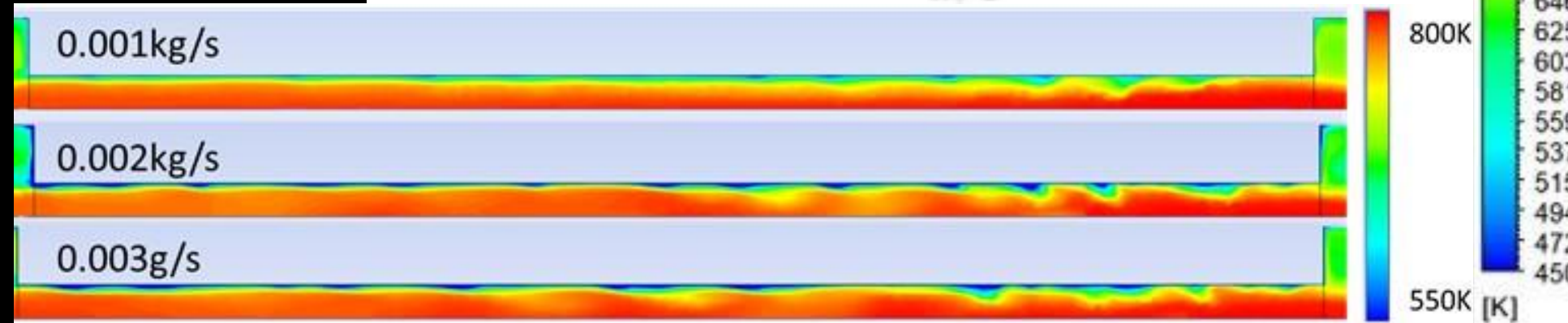
ANSYS Fluent
Solid Work
CATIA
STAR CCM
MATLAB



5Star
 $a \doteq 4.7$



6S
 $b \doteq$

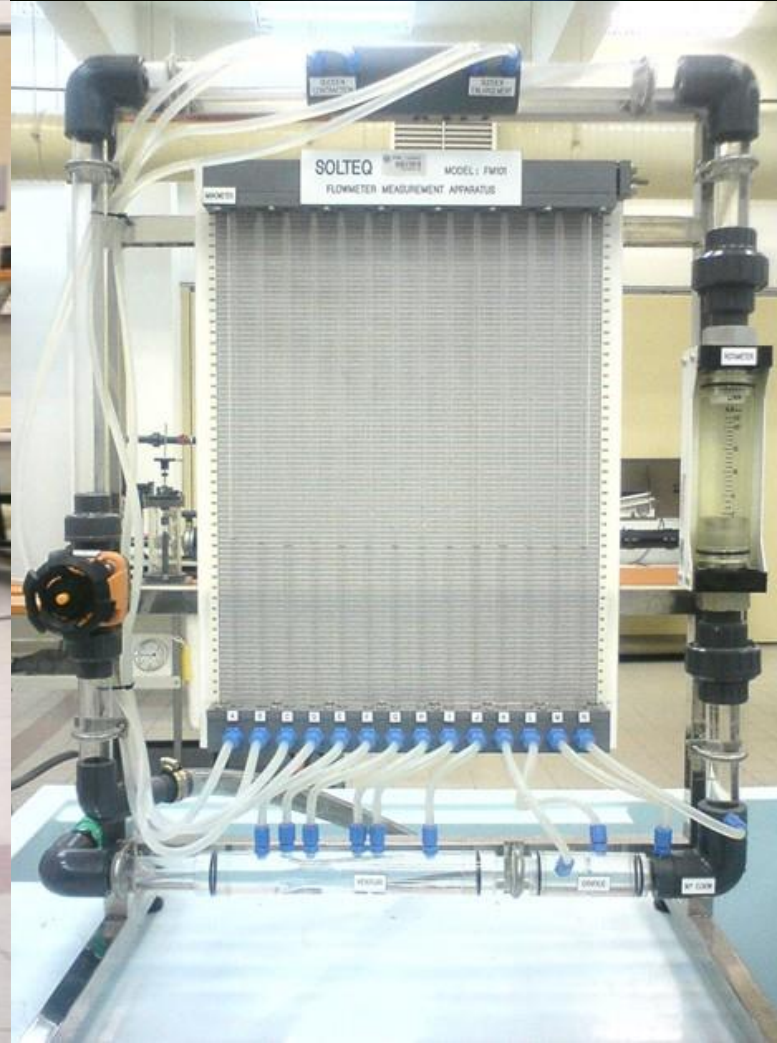


Temperature distrib



Fluid Mechanics Lab

Hydraulic Bench (SOLTEQ)
Water Flow Measuring Apparatus
Impact of Jet
Series & Parallel Pumps



General & Aircraft Structure Lab

Universal Testing Machine
Impact Testing Machine
Torsion Testing Machine
Deflection of Beam
Shear Web Apparatus
Strain Gauge Kit

