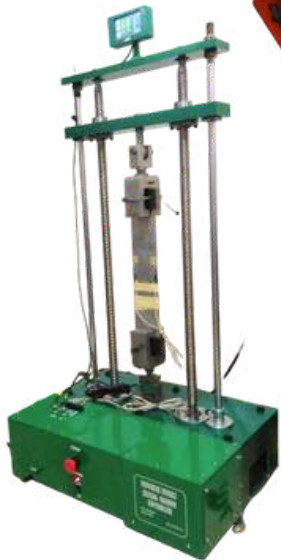


# GENERAL ENGINEERING 2025

## Who We Are

AERING General Engineering is an integrated engineering partner, providing services in **product development, procurement, repair, and training**. We are committed to delivering innovative, reliable, and client-focused solutions.



## Our Mission

Provide general engineering services and actively involve in technology related programs

14+

years experience

50+

projects completed

16+

customers

20+

products

## Our Core Services



### Product Development (20++ Type of Product)

We design and develop products and tools tailored to client-specific needs



### Procurement (9++ Procurement)

We provide comprehensive procurement support for materials, components, and equipment



### Repair (18++ Repair)

We offer repair and maintenance services for equipment and systems



### Training (3++ Training)

We conduct technical and practical training programs

## Our Clients & Partners



## Product Development



### Geolini

#### In collaboration with PT. Geostroom

Geolini is a digital seismometer device that can detect earthquakes through micro-scale vibrations. The device is easy to install, highly reliable, and consumes low power.



### Jet Engine Controller

The Jet Engine Controller can automatically control turbocharger-based turbojet engines while simultaneously measuring and recording engine performance data. It supports both manual and automatic operation modes.



### FDR FTN

#### In collaboration with BRIN

The FDR FTN is a standalone flight data recorder equipped with a crash-survivable memory module, designed for use in drones and small aircraft.



### DAQT41

#### In collaboration with BRIN

The DAQT41 Data Acquisition Unit can acquire sensor data via I<sup>2</sup>C, SPI, and digital/analog input with a sampling rate of up to 5000 samples per second. It also features an SD card slot with 8 GB of storage capacity.



### Flight Test Instrument

The Flight Test Instrument (FTI) is a standalone flight data recorder equipped with a crash-survivable memory module, specifically designed for drones and small aircraft.

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# Product Development

## SSCVR Downloader



The SSCVR Downloader is a tool for retrieving aircraft data from the SSCVR (Solid-State Cockpit Voice Recorder).

## SSFDR Downloader



The SSFDR Downloader is a tool for retrieving aircraft data from the SSFDR (Solid-State Flight Data Recorder).

## ABUS429



The ABUS429 is designed to monitor and analyze data from the ARINC 429 bus. By connecting the ABUS429 adapter between a laptop and the aircraft's ARINC 429 bus, all signals can be easily monitored and recorded.

## AFIS Laboratory Test



The AFIS Laboratory Test is a device used for testing the Flight Instrumentation System (FIS).

## PT Logger



The PT (Pressure and Temperature) Logger is a device for logging and monitoring pressure and temperature data, transferring it from the sensor to software on a computer.

## SFDS



The Standalone Flight Data System (SFDS) is a flight recording device that can be installed on aircraft. It has its own power source and operates independently, without requiring any connection to the aircraft's systems.

# Product Development

## Magnetic Locator Logger



**In collaboration with PT. Geostroom**  
The Magnetic Locator Logger is a tool for automatically logging location and magnetic data sensor.

## F1000 Downloader



The F1000 Downloader is a tool for retrieving aircraft data from the F1000 Flight Data Recorder.

## Pressure Logger



The Pressure Logger is a device for logging and monitoring differential pressure.

## UTTM & Software



The Universal Tensile Testing Machine (UTTM) is an electromechanical testing system that applies tensile force to raw materials or components to evaluate both tensile and compressive strength. It includes software for monitoring and parameter setting.

## ABUS717



The ABUS717 is designed to monitor and analyze data from the ARINC 717 bus. By connecting the ABUS717 adapter between a laptop and the aircraft's ARINC 717 bus, all ARINC 717 signals can be easily monitored and recorded directly on the laptop.

# Let's discuss how we can support your engineering needs.

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