



GENERAL ENGINEERING

PORTOFOLIO 2026



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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

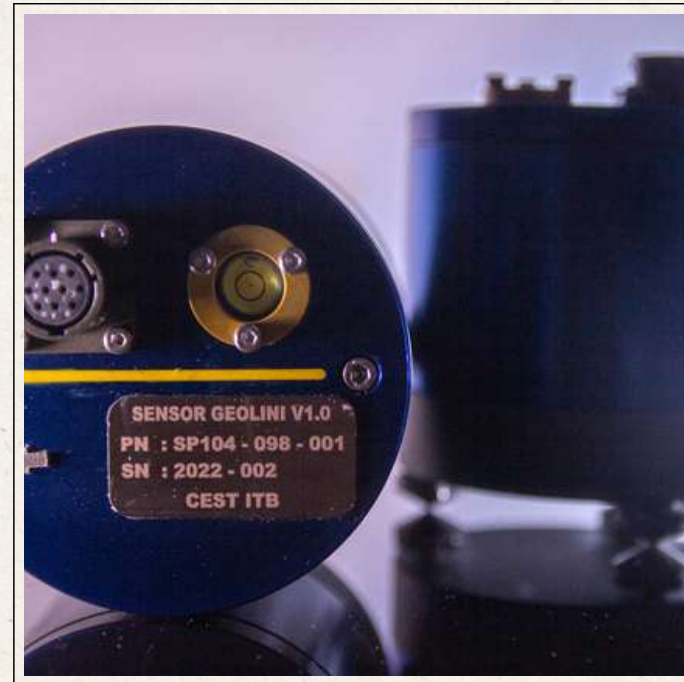
16+

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



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.



DAQT41

In collaboration with BRIN

The DAQT41 Data Acquisition Unit can acquire sensor data via I²C, 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.



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.



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.



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.



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.

Product Development



IOT SHRIMP POND

The IoT Shrimp Pond system integrates data acquisition modules to monitor water parameters such as temperature, pH, and dissolved oxygen levels in real time.



SSFDR Downloader

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



SSCVR Downloader

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



TDR94 Software

The TDR94 Software is designed for automate testing of TDR94 unit.



AFIS Laboratory Test

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



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.

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.



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.



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.



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.



Fix Wing Drone

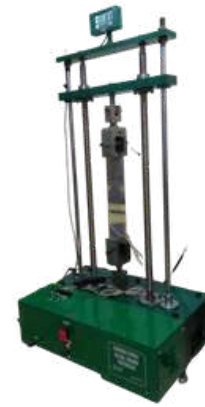
The Fixed-Wing Drone is a drone designed for testing flight data systems. It is piloted to operate flight test missions using a fixed-wing platform.



Product Development

Tensile Test Software

The Tensile Test Software is used for logging and monitoring data from tensile test equipment.



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.



Quick Access Recorder (QAR)

The Quick Access Recorder (QAR) is a device on an aircraft that records flight data for routine monitoring, maintenance, and safety analysis. It helps airlines identify potential issues early and improve overall flight performance.



Mouse Blood Pressure System

Procurement of Mouse Blood Pressure System



Aluminium Foam

Procurement of Aluminium Foam



High Temp Thermocouple

Procurement of High Temp Thermocouple for Institute Technology Bandung



Daniel 1200 Spare Part

Procurement of Daniel 1200 Spare Part



Inverter & Nitrogen die Springs

Procurement of Inverter & Nitrogen die Spring

Tester Motor Rocket

Calibration and repair of rocket motor tester systems to ensure accurate measurement and reliable operation.

Satam MPC

Repair and refurbishment of power supply blocks for Satam MPC.

Boroscope

Repair of borescope inspection devices

ARES I Scanner

Repair services for ARES I Scanner systems

VA300 Power Amplifier

Repair and performance testing of VA300 power amplifiers

Transformer and Rectifier

Repair of transformer and rectifier units, focusing on restoring stable

Cockpit Information Display

Repair of power supply blocks for Cockpit Information Display

Cone Calorimeter

Repair of Communication Block of Cone Calorimeter



Permeabilitas Gas PERG-200

Repair and calibration of the PERG-200 gas permeability device

Proportional Valve

Repair and adjustment of proportional valves to restore precise fluid and pressure control in industrial systems.

Inverter 3 Phase Baumuller

Repair Inverter 3 Phase, device that can convert DC to AC Power

Printer Al-Qur'an Braille

Maintenance and repair of Braille printing systems

GPS Logger

Repair and calibration of GPS logging devices

Air Quality Monitoring System

Repair and service of air quality monitoring instruments

Gas Detector

Repair and recalibration of gas detection devices,

TR-EEME

Repair of TR-EEME units with focus on restoring stable and dependable power supply functionality.

We are ready to provide training to support our products and services.



Our Clients & Partners



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

CONTACT US

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