GIDI CLEAN TECHNOLOGY

Field Trial Guide

30-60 days from baseline to a decision-ready MRV package

AI MONITORING / MRV EVIDENCE / ESG GOVERNANCE / VERIFIED OUTCOMES

Prepared for field-trial partners, industrial operators, investors and institutional reviewers.

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PURPOSE

A controlled 30-60 day pathway from operational question to verified evidence.

The guide is for farms, generator owners, equipment operators, construction and mining-service companies, fleets, research organisations and councils.

Suitable assets Generators, tractors, harvesters, irrigation pumps, heavy equipment, fleets and marine assets.	**Core outcomes** Fuel use, emissions, temperature, smoke, reliability, maintenance and worker exposure.
Required access Asset data, operating logs, fuel records, baseline time and monitoring permission.	**Trial boundary** One defined intervention, comparable duty cycles and documented exceptions.

SIX-STAGE TRIAL

Each stage has a decision gate.

A pilot proceeds only when compatibility, safety, data access and measurement quality are suitable.

01 - Discovery Confirm the problem, asset, location, operating pattern and intended decision.	**02 - Technical screening** Review equipment, fuel, maintenance, warranty and safety.
03 - Baseline design Agree instruments, frequency, duty-cycle variables and evidence owners.	**04 - Controlled deployment** Introduce the intervention and preserve operating records.
05 - Comparison and review Analyse comparable periods, uncertainty and raw evidence.	**06 - Decision package** Deliver results, limitations and a scale-up or stop decision.

MINIMUM DATA CHECKLIST

What the partner should prepare.

Incomplete data may not stop a trial, but it limits the strength of the conclusions.

Asset identity Manufacturer, model, engine, power, year and after-treatment.	**Operating context** Runtime, load, idle time, work performed and ambient conditions.
Fuel and fluids Specifications, supplier, batch where available and consumption records.	**Maintenance** Service history, faults, repairs, filter changes and downtime.
Measurement Instrument model, calibration, location, frequency and responsible person.	**Governance** Consent, safety, confidentiality, data access and publication rules.

SUGGESTED ENDPOINTS

Choose indicators that match the operational problem.

Potential indicators include fuel per operating hour, engine and exhaust temperature, PM, CO, CO2, NOx, visible smoke, odour, downtime, maintenance events and exposure-zone measurements.

APPLY

Start with one asset and one clear question.

Submit the field-trial form at gidicleantech.com/en#trial or email chinny0213@gmail.com. Suitable enquiries are normally reviewed within two business days.