



COMPANYPROFILE

PROFESSIONAL TESTING, INSPECTION AND CERTIFICATION SERVICES





Control Union

Since 1987, **Control Union Malaysia** supports Malaysian producers, processors, and traders to access local and international markets and facilitates trade through the means of sustainable certifications, commodity inspections, industrial inspections, laboratory services and collateral management solutions. We provide these services in a broad range of markets including Agriculture, Aquaculture & Fisheries, Biomass, Biofuels, Forestry, Food & Feed, Fats & Oils, Minerals, Apparel, Recycling and Tourism.

Control Union Malaysia is part of the Peterson and Control Union Group, a family-owned company established in 1920 in the Netherlands. With roots in agricultural inspections, the group has

been operating for more than 100 years in the field of logistics, quality, certifications, and risk management.

To this day, Peterson and Control Union continues to be family-owned and now operates in more than 90 countries employing more than 6,000 people globally.

Our in-depth knowledge and experience covers all aspects of the supply chain in many industries including agriculture, energy, forestry, sustainability and textiles. Upholding our integrity is paramount to Peterson and Control Union. We act with honesty and respect in everything we do.





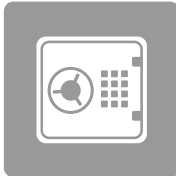
Certifications



Commodity Inspections



Industrial Inspection



Collateral Services



Laboratory Services



Sustainability Services



Pest Control



CERTIFICATIONS

CERTIFICATIONS

Control Union has focused its efforts on developing services around the sustainability of supply and value chains which feed into the food, feed, agriculture, forestry, biomass, bioenergy, fisheries, social compliance, tourism, plastic and recycling, management systems, sustainable finance, ESG, assurance, carbon and textile markets.

Control Union obtains and maintains the highest level of integrity through its accreditations from numerous government and industry organizations, ensuring our services and certificates are at the highest level.

Certificates issued by Control Union are accepted by all major markets and industries. With more than 200 certification programs, Control Union aims to maintain the trust and confidence of its customers and other stakeholders. For a full list of our certifications, please visit:



A GRASP OF OUR CERTIFICATION PROGRAMS

ORGANIC AGRICULTURE

	EU - Regulation EEC. No. 8334/2007 of Organic Production		Philippines National Organic Program
	USDA - NOP Organic regulation for USA		FIPA EFAPA KOREA
	JAS - Japanese Organic Regulation		China National Organic Standard
	Bio Suisse - Organic standard for Bio Suisse organization in Switzerland		Naturland - German Association for Organic Agriculture

SUSTAINABLE AGRICULTURE

	GLOBALG.A.P - Crops, Livestock, Propagation Material, Chain of Custody, Flowers & Ornamentals, GRASP		ROC - Regenerative Agriculture Certificate
	RSPO - Roundtable on Sustainable Palm Oil		RAC - Rainforest Alliance Certification
	MSPO - Malaysian Sustainable Palm Oil		SRP - Sustainable Rice Platform
	FSA - Farm Sustainability Assessment		

FORESTRY, BIOMASS & BIOFUEL

	FSC@ - Forest Stewardship Council@		PEFC - Program for the Endorsement of Forest Certification
	GGL - Green Gold Label		SBP - Sustainable Biomass Program
	ISCC - Certified Biomass and Bioenergy		MTCS - Malaysian Timber Certification scheme
	ISCC - Corsia		CE UKCA Marking
	ISCC Plus		RSB - Roundtable on Sustainable Biomaterial
	INS - Italian National Standard (Italy)		DDC - Dutch Double Counting

FOOD & FEED SAFETY

	BRC - British Retail Consortium: Food, Packaging, Storage & distribution, Consumer Goods		FSSC 22000 - Food Safety System Certification
	HACCP - Hazard Analysis and Critical Control Point		GMP + FSA - Certification Scheme Animal Feed, Feed Safety Assurance
	ISO 22000: Food Safety Management Systems		GFCO - Gluten-Free Certification
	Certified Vegan Production		Certified Non-GMO Production
	GMP - Good Manufacturing Practice		PBS - Plant-Based Standard

TEXTILE & RECYCLING

	OCS 100 - Organic Content Standard		GOTS - Global Organic Textile Standard
	OCS Blended - Organic Content Standard		RCS - Recycled Claim Standard
	HIGG FEM - Higg Facility Environmental Module		RDS - Responsible Down Standard
	GRS - Global Recycle Standard		RecyClass - Recycled Plastic Certification
	PPRS - Plastic Pollution Reduction Standard		RPM - Responsible Plastic Management
	OBP - Ocean Bound Plastic		




SUSTAINABLE TOURISM

	Good Travel Program		Green Key
	Earthcheck		Green Globe Standard
	Green Choice		GSTC - Global Sustainable Tourism Council

AQUACULTURE & FISHERIES

	GLOBAL G.A.P - Aquaculture base, Chain of Custody		MSC - Marine Stewardship Council
	ASC - Aquaculture Stewardship Council		FOS - Friend Of The Sea

ESG, ASSURANCE & CARBON FOOTPRINT

	ISO 14064 - Emission Verification Services		PLAN VIVO - Carbon Offset Project Validation/Verification
	PAS 2060 - Carbon Neutral		PEF - Product Environmental Footprint
	VCS - Verified Carbon Standard		CEF - Corporate Environmental Footprint
	Climate, Community & Biodiversity Standard		The Gold Standard

SOCIAL COMPLIANCE

	SMETA - Sedex Members Ethical Trade Audit		GRASP - GLOBALG.A.P Risk Assessment on Social Practice
	Fair Trade USA		FairTSA - Fair Trade Sustainability Alliance
	WRAP - Worldwide Responsible Accredited Production		URSA - Unilever Responsible Sourcing
	SLCP - Social & Labor Convergence program		

MANAGEMENT SYSTEMS

	ISO 45001 - Occupational Health & Safety (OH&S) Management Systems		ISO 14001 - Environmental Management Systems
	ISO 9001 - Quality Management Systems		ISO 50001 - Energy Management Systems

We offer over 200 programs, for a full list, please visit CONTROLUNION.COM/SERVICES/CERTIFICATION-PROGRAMS/



SUSTAINABILITY SERVICES

Sustainability stands as a fundamental cornerstone for Control Union. We delve deeply into comprehending the intricate interconnections between sustainability and various facets such as manufacturing processes, energy generation methods, the pivotal roles of agriculture and forestry, the implementation of sustainable supply chain solutions, and the integration of sustainable financing practices.

In alignment with this commitment, Control Union is dedicated to offering third-party sustainability verification and assurance services. Our objective is to provide a robust framework that empowers businesses to validate and authenticate their sustainable practices, contributing to a more environmentally conscious and responsible global landscape.

SUSTAINABILITY SERVICES

SUSTAINABILITY REPORTING

- Sustainability strategy check
- GAP analysis according to GRI guidelines
- Third party assurance of sustainability reports in accordance with AA1000 AS and ISEA 300 for Global Reporting Initiative (GRI) and IFRS Sustainability Disclosure Standards

SUSTAINABLE FINANCE

- Environmental and Social Due Diligence
- Due Diligence following IFC Performance Standards
- Second party opinions according to Sustainability Bond, Green Bond and Social Bond Principles

SUSTAINABLE SUPPLY CHAIN SOLUTIONS

- Advise on sustainable sourcing and traceability
- Supply chain risk assessments
- Development of private and public sustainability schemes

SUSTAINABILITY ASSURANCE AND PROJECT VERIFICATION

- Carbon Validation & Verification Programs
- Traceability & Verified Deforestation Free (VDF) Verifications
- No Deforestation, No Peat & No Exploitation (NDPE) Implementation Reporting Framework(IRF) Data Verification Protocol
- SPOTT External Verification
- Global Sustainable Enterprise System (GSES)
- Supply Chain Platform - Dibiz
- PEPSICO
- EUDR - EU Regulation on Deforestation-free Products
- Water & Energy Footprint Verification



COMMODITY INSPECTIONS

Our vast expertise in inspection, supervision and sampling enables us to provide global support to our customers across the entire supply chain. From government and institution services to weight and quantity determination, whether in Malaysia or abroad – we provide you with the right solution, tailored to your needs.



CONTAINER SERVICES

Control Union can monitor the quality, quantity and condition of your cargo during the loading and unloading process in order for you to have a piece of mind. Our services include:

- Loading/stuffing supervision
- Discharge supervision
- Cargo condition monitoring
- Sampling and sealing
- Cargo, container and truck tallying
- Damage survey / Fruit Inspection



VESSEL SERVICES

We ensure that vessels and barges with your precious cargo are thoroughly inspected and verified. We are your eyes and ears 24/7, while you can focus on your core business. Our services include:

- Pre-shipment Inspection
- Loading and discharge supervision
- Draught survey / Cargo Hold Inspection, Bunker Survey (On Hire & Off Hire)
- Cargo condition monitoring / Degassing / Removal of Phosphine Sleeves
- Sampling (GAFTA 124, FOSFA, NEN ISO 18135 & SAL)
- Temperature & Moisture Monitoring
- Weight Bridge / Shore Scale Monitoring
- Laboratory Analysis
 - Mineral Inspection (Ferrous & Non-Ferrous Metals)
 - Copper Concentrate Blending
 - Stock Monitoring & Measurement (Vol-tech) / Warehouse Inspection
 - Stock Monitoring Using Smart Technology Solutions
 - Stock Verification Ex Silo Measurement Using Laser Meter



COLLATERAL SERVICES

Collateral services combine our experience and expertise with the latest technologies to provide effective and innovative short and long-term solutions for minimizing risks, offering up to 24/7 surveillance of your cargo. We assist and supervise the provision of collateral and stock verification services in all major regions around the world for minerals (steel, metals, fertilizers, phosphates) and agricultural products (cotton, sugar, grains, vegetable oil, coffee, cocoa, rice, tobacco).

COLLATERAL SERVICES



STOCK CHECK / VERIFICATION

Our well-trained and experienced inspectors verify stock at warehouses, silos, and other designated locations to determine the quantity and overall quality and condition of cargo using the latest technologies.

STOCK MONITORING AGREEMENT (SMA)

Using innovative systems and procedures, Control Union's commodity specialists observe and report on stock management with up to 24/7 monitoring, providing visibility into the movement, custody and condition of commodities, giving peace of mind to the client.



COLLATERAL MANAGEMENT AGREEMENT (CMA)

As expert custodians, we offer our customers the opportunity for Control Union to have overall control of their goods throughout their storage period, as we become custodians of your cargo. This provides a safe, effective and efficient way to store goods around the world, as well as facilitating additional credit risk management.

TECHNOLOGIES

SMART SEALS

- Tracking: locking and unlocking in real time
- Theft: Tamper proof
- Alerting: real time reporting/alarms
- Logging: Keeps activity logs of seals and users



TEMO

- Tracking humidity, temperature & movement in real time
- Alarms settings to detect anomalies and take actions
- In Warehouses and Barges
- Gas detection: CO, CO2, H2, CH4



VR INSPECTIONS

- Remote inspections.
- Documentation and evidence of audits for potential claims.
- Record video and photographic evidence.
- Real-time assistance by an expert



DRONE

- Data on Volume, Timing & GPS location
- Time efficient
- Reduce the human intervention as much as possible
- Accurate (Deviation < 3cm in 120 mt)



PERFORMANCE

DATA
IMPORT

VOLUME
CALCULATION

REPORTING
RESULTS

VOLTECH

- Tracking: locking and unlocking in real time
- Theft: Tamper proof
- Alerting: real time reporting/alarms
- Logging: Keeps activity logs of seals and users



PERFORMANCE



DATA
IMPORT



VOLUME
CALCULATION



REPORTING
RESULTS



SCI-FI (SMART CARGO INSIGHTS FOR INSPECTORS)

- Bulk Density Meter
- Recognition of foreign objects below a pile of cargo.
- Recognition of temperature spots inside the pile of cargo.
- Jointly developed with Wageningen University.
(Coming soon)

NEAR INFRARED FIELD-TESTING

- Handheld device. Field use. (Triage)
- Food safety
- Quality fraud detection
- Online platform for traceability
(Coming soon)



CMS SOFTWARE

- One platform for all CU CMS activities
- Centralized data base.
- Dashboards
- Traceability

- Mobile app
- Digital reporting
- API to Blockchain
(Currently under implementation)



LABORATORY SERVICES

At Control Union, we deliver fast, reliable, and accurate analytical services through expert teams and state-of-the-art laboratory equipment. Whether testing food and feed products, biomass, palm oil, metals & minerals, or environmental samples, quality and precision remain our top priorities—for our clients and ourselves.

COMPREHENSIVE TESTING CAPABILITIES

We offer a wide range of analyses tailored to industry needs, accredited under ISO/IEC 17025 and recognized by GAFTA:

(I) PHYSICAL TESTING:

Length, diameter, fines, dust, durability, bulk density, particle size distribution, foreign matter.

(II) PROXIMATE ANALYSIS:

Moisture (total, inherent, surface), volatile matter, ash, fixed carbon, color, chlorophyll, gravimetric & titration methods.

(III) ELEMENTAL ANALYSIS:

C, H, N, O, S, halogens, and major/trace metals (Cr, Ni, Zn, Cu, Pb, Al, Fe, Ca, Si, etc.).

(IV) ASH MELTING BEHAVIOR:

Ash melting points (ST, IDT, HT, FT)

(V) OXIDE COMPOSITION:

(Al_2O_3 , CaO, SiO_2 , etc.), and salt content (NaCl, KCl, $CaCl_2$).

(VI) CHROMATOGRAPHY:

Testing for MOSH, MOAH, 3-MCPD, GE, dioxins, PAHs, antioxidants, tocopherols, mineral oils, and fatty acid profiles.

(VII) ENERGY CONTENT:

Net and gross calorific values.

(VIII) GENERAL PARAMETERS:

pH, phosphorus, DOBI, carotenoids.

TAILORED SERVICE & SUPPORT

Our trained lab experts provide result interpretation specific to your products and industry. We support root cause analysis of product issues, process hygiene challenges, and help implement cost-effective solutions.

OUR SPECIALIZED SERVICES

- Chemical & Microbiological Analyses
- Technical and Market Support
- Industry-Focused Research Studies

SAMPLE TYPES WE ANALYZE

- Food, Feed & Agricultural Products: Grains, feedstuffs, fruits, vegetables, coconut products, and more.
- Solid Biomass: Wood pellets, palm kernel shells, rice husk, biochar, cashew/coconut shells, coal, etc.
- Oils & Derivatives: CPO, RBDPO, UCO, PFAD, PKO, olein fatty acid, POME, sunflower/rapeseed oil, etc.
- Metals & Minerals: Iron ore, coal, coke, manganese, fertilizers, and more.
- Environmental Samples: Industrial wastewater, influent, effluent, raw water.





INDUSTRIAL INSPECTIONS

For more information, please visit our website:
industrialinspections.controlunion.com

INDUSTRIAL INSPECTION

SECTORS

- Offshore energy
- Construction
- Maritime
- Food and feed processing
- Refineries
- Storage and warehousing



SERVICES - IN-USE INSPECTIONS:

- Non-destructive testing (conventional and advanced)
- Structural condition assessments and plant surveys
- Storage tank and spray dryer inspections
- Separators/centrifuge/basket inspections
- Piping inspection and thickness gauging



SERVICES - EQUIPMENT INSPECTIONS:

- Fall Arrest equipment
- Ladders, steps, scaffolding
- Lifting and hoisting equipment
- Electrical equipment inspections
- Containers and tank containers
- Pressure safety valves and pressure gauges

INDUSTRIAL INSPECTION

SERVICES

Other services:

- QA-QC activities and verifications
- Vendor inspections
- Pre-shipment inspections

Unique inspection solutions:

- Duplex centrifuges and separators
- FRP storage tanks and piping

WHY CONTROL UNION?

- Global presence and local knowledge
- Local staff and invoicing possibilities
- Digital reporting and strong online client portal
- Unique and tailor made inspection solutions
- Predictable inspection and maintenance costs
- Minimal downtime during inspections

CERTIFICATIONS & ACCREDITATIONS



CONTROLLED ATMOSPHERE

EcO2 provides Controlled Atmosphere (CA) systems. The CA technology is based on the principle: No Oxygen = No Life and is used for controlling insects in a variety of organic food ingredients and other high-quality products, both as a curative or preventive treatment.



MONITORING SOLUTIONS

- Monitoring chambers, warehouses, silos or other enclosed spaces via sensors transmitting information based on set parameters.
- EcO2 provides monitoring solutions for a variety of parameters such as CO₂, O₂, Temperature, Ethylene (C₂H₂), Relative Humidity and more.

HEAT TREATMENT

- Prevent and eliminate insect infestations.
- Heat treatment can also be applied to reduce moisture in products, to dry commodities, and to treat Wood Packaging Material (WPM) according to export regulations.
- For chambers, silos, warehouses, factories, and mill buildings.
- To treat WPM under ISPM 15

PRESERVATION

- Post-harvest storage solution extending shelf life while preserving quality for fruits, vegetables, and flowers.
- EcO2's range of technologies can help businesses preserve the quality of products and extend shelf life naturally



www.controlunion.com



Control Union (Malaysia) Sdn. Bhd.

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Klang (Head Office)

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Website



Company profile

Pasir Gudang

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Jalan Siakap 3/2,
Taman Pasir Putih,
81700 Pasir Gudang,
Johor, Malaysia

Kemaman

No. 13840, Tingkat 2,
Jalan Terengganu,
Kg. Bakau P. Tinggi,
24000 Cukai,
Terengganu, Malaysia

Bintulu

1st Floor, No. 554,
Sublot No. 4367, Phase 7,
Parkcity Commercial Development,
97000 Bintulu,
Sarawak, Malaysia

Labuan

Ground Floor, Lot 3,
Lazenda Warehouse Phase II,
Jalan Patau-Patau,
87000 W.P. Labuan,
Malaysia.

Lahad Datu

MDLD 8858, 1st Floor, Lot 1,
Block A, Phase 1,
Portcity POIC,
91100 Lahad Datu,
Sabah, Malaysia

Kota Kinabalu

Lot No. 2, Block C, Second Floor,
Lintas Jaya Uptownship,
Jalan Lintas, Kepayan Highway,
88300 Kota Kinabalu,
Sabah, Malaysia