

EquipTech

redefining for better tomorrow

AIM TO GIVE SOLUTION FROM

- TECHNOLOGY
- IMPLEMENTATION
- WITH MANAGING THE BUSINESS



ABOUT US

- EquipTech was built to render OEM level service supports for Heavy machineries through systematic and innovative process by adopting new technologies. Today's Industrial stake holders (OEM & end user) are mainly affected due to lack of knowledgeable & experienced experts. Our aim is to build a team under such experienced OEM's technicians to provide OEM support at affordable rate with faster ways. Our advisory service is dedicated to our client to maintain Complex Heavy Machinery.
- Under Industry 4.0, we work towards technology development & implementation to cater core sectors, e.g; Mining, Infrastructure, Defence etc. Our drone based mapping to IoT solution manages the Complex Mining process and Heavy machineries which makes difference our innovative services from others. Our aim is to build better tomorrow for our next generation by developing and adaptation of smart & sustainable solutions to address productivity, safety and reliability at work site. We represent Global OEMs through promoting their technologies to address real issues in Industry.

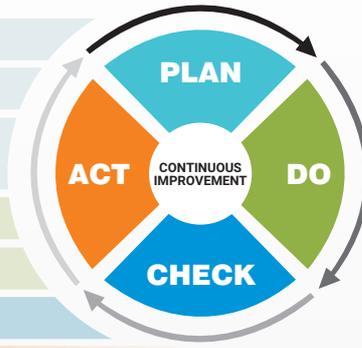
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www.equiptechservices.com

MRO SERVICES BY US

- 1 Audit, inspection and dismantling (PLAN)
- 2 OH Strategy (PLAN)
- 3 Prepare documentation and reference drawings (PLAN)
- 4 Cleaning (DO)
- 5 Repair (DO)
- 6 Perform critical checks (CHECK)
- 7 Inventory preparedness (ACT)
- 8 Assembly (ACT)
- 9 Testing (ACT)
- 10 Packaging (ACT)



MRO SERVICE

Our 10-step MRO process is developed to ensure that every repair is completed to the highest standards in the business. Our technical experts from OEMs follows systematic approach to overhaul & diagnostic of old Machine. Our experts are trained in identifying and analyzing the root cause of failure. During machine failure, our engineers will troubleshoot the problem and develop a plan of action to restore the issue.

SERVICES AT SITE

- BREAKDOWN MAINTENANCE ■ PERIODIC MAINTENANCE ■ PREVENTIVE MAINTENANCE
- PREDICTIVE MAINTENANCE ■ SPARE PARTS SUPPORT & SOURCING ■ OPERATION & MAINTENANCE
- ERRECTION & COMMISSIONING ■ DIAGNOSTICS, OVERHAULING & REVAMPING
- GUARANTEED AVAILABILITY

CONTRACTS OFFERED BY US

- AMC, CAMC, COST CAP, GPCC, MARC
- EQUIPMENT RENTAL MANAGEMENT
- OEM SERVICE FRANCHISEE

TRAINING & CONSULTING

- EQUIPMENT CONSULTING
- O&M TRAINING
- EQUIPMENT AUDIT & ASSET MANAGEMENT
- EQUIPMENT VALUATION



OTHER SERVICES BY US

OPERATION MAINTENANCE OF SAMPLING SYSTEM

INDUSTRIAL DIGITISATION & IIOT

DRONES FOR SURVEY

- ▶ Stockpile Management
- ▶ Haul Road Optimization
- ▶ Trailing Dam management
- ▶ Water & Sediment Flow Management
- ▶ Mining Exploration

OPERATION & MAINTENANCE OF BULK MATERIAL HANDLING EQUIPMENT

ACCURATE DATA ON DEMAND ■ HIGH QUALITY DATA

- ▶ 3D Point Cloud
- ▶ Orthophoto
- ▶ Digital Terrain Models (DTM)
- ▶ Contours
- ▶ Volumetric Calculations

Survey Reports by Surveyors

DRONES FOR MINING

- ▶ SAFETY PARAMETER CHECK
- ▶ BLAST VIDEO DATA
- ▶ 3D PROFILING
- ▶ FRAGMENTATION ANALYTICS

DRONE AS A SERVICE (DaaS)

OPERATIONAL, MAINTENANCE & RENTAL OF MOBILE AUGER

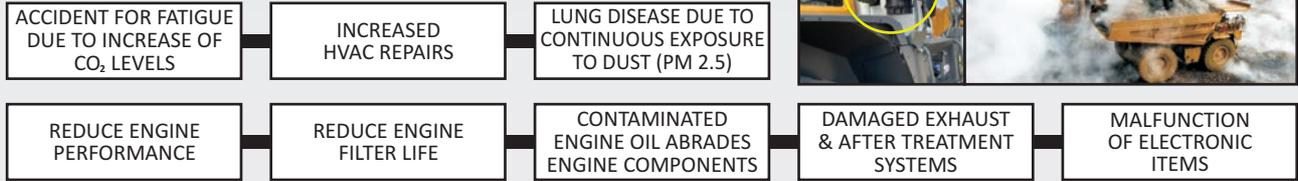
- ▶ Precision Agriculture
- ▶ Railway Track Monitoring
- ▶ Solar Panel Monitoring
- ▶ Power Line & Wind Mill Inspection

DISTRIBUTORSHIP OF OVERSEAS OEM

PRODUCTS & SOLUTION

ENGINE & CABIN AIR QUALITY SOLUTION

THE INVISIBLE THREAT AT MINES/JOB SITE



CLEAN AIR FOR ENGINES

Extend Engine Filter Life, Lower Cost of Ownership

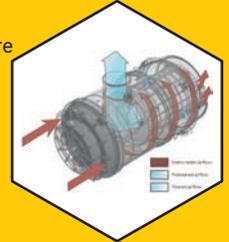
- ➔ Precleans air, removing dust and debris before reaching engine filter, improving machine performance, increasing uptime, and extending life of machine and engine filter.
- ➔ Powered precleaners provide constant, clean air to engine, even when machine is at idle, removes 99.99% of ISO fine test dust



CLEAN AIR FOR WORKERS

Improve Air Quality, Reduce Occupational Exposure

- ➔ ISO 23875-compliant cab air quality systems, high-efficiency filtration, and cab monitoring solutions.
- ➔ Interchangeable filtration options, including particulate, odor, and gas filters to address most complex, extreme work environments.
- ➔ HEPA filter is 99.95% effective at arresting COVID-19 sized particles.
- ➔ ISO 23875 protects air quality inside of operator cabin from -ve effects of harmful respirable particulate and unsafe levels of CO₂ which gives standard protocols like defined levels of CO₂, filtration efficiency, recirculation system as measured by the ability to recover air quality in the cabin following a spike in dust, set cabin pressurization and inclusion of real-time cabin air quality monitoring
- ➔ Sy-Klone[®] RESPA[®] Advisor+ continuously monitors pressurization or, CO₂ level inside cabin and indicates immediate alarm when the same goes beyond normal threshold.



IOT BASED EQUIPMENT HEALTH MONITORING & MANAGEMENT SYSTEM



DETECTABLE FEATURES

Real-Time Tracking: Our high precision GPS, BLE (Bluetooth Low Energy) Beacons, Gateway, Sensors combined can not only track the location of your fleet but also report on nearby Bluetooth tags and sensors to gather critical data from machine and other onboard assets. Integrate a range of sensors to support several applications such as:



EQUIPMENT STATUS

- RUNNING** : When Machine or Equipment is running normally and being productive.
- IDLING** : When Machine or Equipment is lying Idle and is Available for utilization
- BREAKDOWN** : When the Equipment has stopped working due to breakdown and is hence unavailable.
- AUTOMATED ALERTS** : Configure alerts for tampering, unnecessary idling, exceeding limit of fuel consumption or emissions emitted, over/under-utilisation of assets, etc.
- MAINTENANCE** : When Equipment is unavailable and has been sent for repair or maintenance.
- DEDICATED SURVEILLANCE, ANALYTICS & SUPPORT TEAM** : To closely monitor, analyse and detect potential bottlenecks, For eg: High / Low activity zones, Network-Gray areas, etc.
- MACHINE AVAILABILITY & UTILISATION** : Tracking the utilisation and productivity of each machine based on its activity hours.
- ON DEMAND CUSTOMIZATION** : As per requirement.

OTHER SOLUTIONS BY US



Installation of a 2-port sample station on Komatsu 930E dump truck

CONDITION BASED AUTOMATED LIVE REMOTE SAMPLING (ALRS) – CARETAKER (BY EQUIPMENT PLACEMENT AUSTRALIA)

■ CHALANGES

- Un-reliable oil sample.
- Risky sample collection by technician during running.
- Contamination.

■ SOLUTION

- Eliminates the need for personnel to access dangerous and hard to reach sample point.
- Removes the occurrence of dead oil samples & cold samples.
- Prevents contamination from compromising sample bottle.
- Addresses factors around irregular sampling
- Eliminates live work.
- Reduces sampling errors.

■ CONDITION BASED CHANGES & DECISION MAKING

- Now Condition Monitoring teams can trend fluid sample data with confidence. The Caretaker ALRS will enable sites to transition from “time based” oil sampling to “condition based” oil sampling, potentially saving costs and reducing wastage relating to purchasing new oil and disposing waste oil. Extracting and tracking a fluid sample has never been this safe or accurate.
- Take a representative sample.
- Capture and record accurate and useful data.
- Analyse the sample with confidence.
- Utilise as a tool to determine component wear.
- Enables “condition based” scheduling of oil and component change out.

CARETAKER – HELPING YOU TO REACH THE NEXT LEVEL OF SAFETY AND RELIABILITY IN CONDITION MONITORING AND HYDROCARBON MANAGEMENT.



OTR TIRE MANAGEMENT EQUIPMENT :

We offer range of Equipment from Australia to handle giant OTR tire for removing from Rims, handling hubs & wheel in workshop etc.



REMOTE TRUCK ELEVATING DEVICE :

TED is an all-terrain skid steer track vehicle for driving steering, and raising the platform by controlling via an easy to use wireless Remote Control Handset. It is very useful for safe maintenance work for removing Dozer base plate, removing lower parts from HEMM etc.

UG Gas Detector

PDM (Personal Dust Monitor)

MINES GAS & OTHER SAFETY MONITORING DEVICE

AMBIENT AIR QUALITY ANALYZER

EquipTech SERVICES LLP

2/89, Viveknagar, Jadavpur, Kolkata - 700 075 (India)
 +91 90512 13395 / 87774 52609
 info@equiptechservices.com / emc.bmd@gmail.com

OUR SATISFIED CLIENTS :

