

Maintenance Services



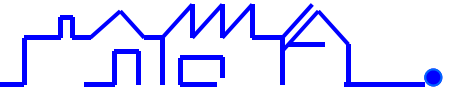
General Information

Blue Stacks offer the flexibility necessary to meet the unique requirements of each and every customer. We offer the required performance through our management and engineering teams. For the residential technical services, our achievement is measured by the customers' KPIs. This comprehensive approach to facilities services serve mainly the long-term work, but the ad-hoc emergency services are also our regular work as well. Our scopes of services include, but not limited to, the following:

- Analyzer & Gas Detection System
- Gas Chromatography
- CEM System
- Electrical & Instruments
- SCADA & Monitoring System
- Fire & Safety System
- Security & CCTV System
- PLC & Controls System
- Lighting & UPS
- HVAC
- Motor, Pump & Valve
- Blower, Gear box,
- Cooling Tower, Fin Fan Cooler
- Air Compressor
- Water & Waste Water Treatment System
- Building Maintenance Services



Maintenance Services



Service's Features

- Preventive Maintenance (PM)
- Corrective Maintenance (CM)
- Installation & Commissioning
- Overhaul, Field Balance, Alignment
- Repairing
- Revamp & Relocation & Recondition
- Rental Service
- Consultation
- Spare Parts
- Extended Warranty
- Non-Disrupted Operation Warranty
- Asset Database System
- Training & Seminar



Maintenance Services



Service's Features

Preventive Maintenance (PM)

The preventive maintenance service aims to prevent all equipment failure before it occurs and to maintain equipments in satisfactory operating condition. We employ *Planned Maintenance and Condition Based Maintenance* to preserve and restore equipment reliability. Our systematic inspection, detection, and correction of incipient failures either before they occur or before they develop into major defects including tests, measurements, adjustments, and parts replacement, performed specifically to prevent faults from occurring.

Corrective Maintenance (CM)

Our tasks are to identify, isolate, and rectify a fault so that the failed equipment, machine, or system can be restored to an operational condition. Our care center can assist you with various kinds of equipments and troubles. Our lead-time/ turn-around-time is exquisite since we are located right at your front door and our workforce is in abundance.

Installation & Commissioning

We have qualified teams of installation and commissioning engineers with a rich experience in on site requirements and safety procedure. Our installation & commissioning service are undertaken with minimum interruption to your facility, flexible schedule, training available, and systematic report.



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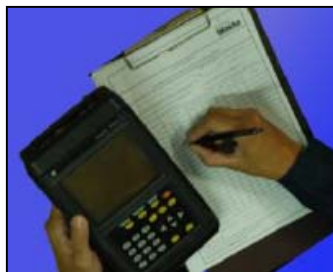


Service's Features

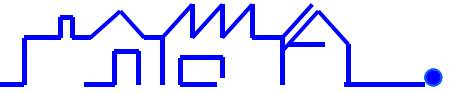
Testing & Calibration

Testing and Calibration may be needed in case of the equipment is new, repaired, modified, shocked/vibrated, used for a specific time or usage, or etc. We have the standard equipments and procedure to do such calibration & verification for various instruments such as :

- Fire safety system testing
- Gas detection Calibration
- Liquid and gas flow measurement
- Flow meter calibration
- Moisture measurement and analysis
- Pump performance testing
- Air compressor performance testing
- Etc....



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Service's Features

Repairing

Our repair service covers a wide range of equipments. We do the on-spot and send-in repair. Customers can notify us on the repairing job, and we can quickly respond if we are capable of such requirement.

Revamp & Relocation & Recondition

May it be an upgrade, a relocation, or a reconditioning of systems, we have teams of engineers to serve various requirements. We emphasize on safety, standard, and quality of the job.

Rental Service

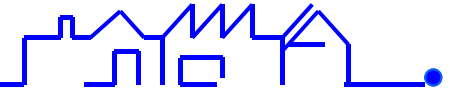
Our equipment rental delivers comprehensive equipment solutions and unprecedented premier service. May it be safety equipments for turnaround such as gas detectors or flow meter for specific measurement, we have you covered. We do not just rent out equipments; we're knowledgeable, proactive problem solvers for our customer's specific solution.

Consultation

At Blue Stacks we have a pool of specialists and field engineers with years of practical experience. Their on-the-job problem solving abilities are unique. We have a consultation service for such tasks as fire & safety, instrument installation and commissioning, analyzer systems, and more.



Maintenance Services



Service's Features

Spare Parts

We have complete spare parts ready in stock for a wide variety of items. However, a common spare parts program can be discussed for a group of customers to save cost and to speed up the turn around for a spare part request.

Extended Warranty

To protect your investment, you can avoid unexpected repairs in the event your product fails outside of the original manufacturer's warranty. We offer the Extended Warranty for your peace of mine and the assurance that your equipment will work for an extended period of time without interruption, and the budget is tightly controlled.

Non-Disrupted Operation Warranty

Our total service offer a non-disrupted operation warranty. The absolute operation up-time is promised and delivered by Blue Stacks. We will take care of your system's health and ensure that it works as required for the contracted period of time. This includes preventive & corrective maintenance, spare parts, and lightning quick response.



Services



Service's Features

Asset Database System

Our complete asset database system gives an overview of all your equipments list, health of the system, schedule for maintenance, reminder of preventive maintenance, and easy report generator. It is totally a cloud-system-type meaning the input can be done wired or wireless, and our customer can access the database from anywhere at any time.



Smart

Assign tasks, attach files, share sheets, view timelines, set alerts, create rollups, go mobile, and much more – all with one intuitive tool.



Simple

Smartsheet harnesses the power of a platform within the simplicity of a spreadsheet. No training required – get up and running in minutes.



Flexible

Whatever projects, process or workflows you manage, you'll have insight into who's doing what, and where everything stands.

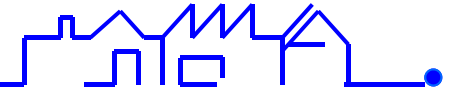


Trusted

More than a million folks use Smartsheet in their organizations. Secure, safe and scalable. IT approves, while you get work done.



Maintenance Services



Type of Services

1. Long-Term Service

We offer a long-term contract for customers as our primary product. This service provides the customer with scheduled on-site services, and the contract usually stretches from 1 – 3 years (exceptional case: 6 years)

- **Residential Engineer** – Our engineer work at the customer's site full-time
- **Scope-based Services** – We take care of the total clearly defined scope
- **Scheduled Services** – Weekly, monthly, or quarterly site visit maintenance
- **Hourly-Based Services Package** – Customers retain a certain work-hour



2. Short-Term Service

We offer a short-term service may it be an on-call corrective service or a specific task to perform at site. A repair service also can be commenced for a number of equipment. Our standard procedure will ensure a reliable service for all kind. Price estimation can be conducted in most cases free-of-charge, and followed with a clear defined work quotation. From the perspective of our personnel requirement, our short-term service can be described as :

- **Installation & Commissioning**
- **Troubleshooting & Problem**
- **Measurement & Testing**



Maintenance Services



Type of Services

3. Shutdown & Turnaround Service

We offer you ultimate flexibility. Whether you require a standalone service to supplement your in-house maintenance staff, a full range of integrated turnkey services from preparation through execution, or expert consulting services to support your personnel throughout the project, you choose the level and scope of our engagement. Whatever the assignment, our goal is to provide the innovative strategies to deliver your project within your timeframe and budget. We provide :

- Turnaround/shutdown direct hire execution
- Small capital project direct hire execution
- HSEQ planning and Equipment
- Subcontractor management



4. Other Service

Other services that we offer are numerous in work scopes. Having equipment ready and various workforce with various skills, we have so many ways to help with our customers' tasks. Since we are already inside the customers' premises, it is easier for us to perform any additional jobs.

