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## Indonesia

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## **Equipment Handbook**

***Pump  
Lighting Tower  
Power Generation  
Access Equipment  
Material Handling  
Air Compressors  
Welding Machines***



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Coates Indonesia has been operating in Indonesia for over 27 years and in that time has become one of the largest industrial hire companies in the country. Here at Coates Indonesia, we provide more than just equipment, we offer piece of mind and value for money by providing on-site Technical Support, Repair and Overhaul Facilities, Equipment Training, Spare Parts and OEM support for all of our products.

Through our companies, PT Coates Hire Indonesia and PT Coates Services Indonesia have branches located in Balikpapan, Sangatta, Surabaya, Pekanbaru, Sorowako and a representative office in Jakarta. Coates Indonesia has personnel working and living with our customers anywhere from Sumatra to Papua and overseas, including Singapore, Malaysia, Philippines and Australia.



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Coates Hire Indonesia (CHI) started operations in 1991, and specializes in the supply and rental of Mine Dewatering equipment, Mobile Lighting Towers, Power Generations, Air Compressors, Welding Machines, Access equipment (Boom Lifts and Telehandlers), for the Mining, Constructions, Oil and Gas Industries in Indonesia.



In July 2011, PT Allight Indonesia changed its name to PT Coates Services Indonesia (CSI) and is the sole authorized dealer for Godwin Pumps and supplier of Promac and Allight Mine Specification Mobile Lighting Towers. Coates Services Indonesia's primary task within the group is the supply of pumps and lights, Services, Technical Support and Spare Parts throughout Indonesia.

Our Head office and main facility is located in Balikpapan, with our warehouse holding over \$ 2 million worth of inventory and spare parts. Starting April 2013, Balikpapan workshop became the main repair and overhaul facility for all lighting towers and Godwin pump wetends. This facility allows CSI to supply fully overhauled service exchange wetends and components, significantly reducing customer costs and minimizing downtime. The Surabaya VA Workshop was setup in June 2011 allowing CSI to assemble custom built, Indonesian content mine specification pumps specifically for the Indonesian market. The VA brings in the pre-assembled Godwin pump sets - engine and wetend assemblies from the UK. Then using our dedicated partners and suppliers, in conjunction within our highly skilled and trained manufacturing team the units are assembled and tested in Indonesia.

By using local skilled fabricators to construct the pump skids and local suppliers for parts, the finished pumps can be completed with over 30% local content and resulted in significant savings in cost of each pump. These savings are not only good for the customer, but also Indonesia.

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## Our Vision

To be the premier Hire Company in Indonesia by delivering the right equipment, when and where needed to build a better future.

## Our Core Values

- Safety First
- Excellent Customer Services
- Professional and Sustainable business model
- Personnel Training and Development for our people
- Company Business Ethics
- CSR (Corporate Social Responsibility)

## Our Community

Coates Indonesia committed to building relationships within the broader Indonesia Community where we operate. The Coates Indonesia Corporate Social Responsibility (CSR) Program is aimed to improving the lives of all with whom the company has contact both directly and indirectly. This includes employees and well as the communities within our area of operations.

Previously Coates has provided significant funds for support of:

- Books and bags for support of local schools.
- Supporting local sports - Borneo Bears (Major sponsor);
- Jakarta Komodo Rugby Club;
- Sponsorship for local government program including community social events for under privilege in Balikpapan, Sorowako and Surabaya.
- Donation generators for hospital at Lombok- Nusa Tenggara Barat
- Sponsorship for senior citizen in Panti Jompo.
- Supporting the recovery of Palu after tsunami



## Our Commitment

At Coates we are committed in pursuing our vision and living our core values. At the same time maintaining safety and customer focus, working together, taking ownership and driving continuous improvement.

Through this we will rapidly achieve and exceed our goal of becoming the hire company of first choice for customers, employees and suppliers.

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### SAFETY

Safety first zero harm

At Coates, nothing is so important that it can't be done safely.

It is the objective to return home safely each day.



### EXPERTISE

#### ***Industry Experience***

With over 27 years in Indonesia and able to draw upon 127 years experience Coates Hire world wide.

#### ***Engineering Services***

Comprehensive technical support backed by specialist engineers including offshore and certified technicians.

#### ***Specialized Solutions***

If you have job that calls for specialized equipment and expertise, the Coates Indonesia team will work with you to develop a tailor-made package with the right equipment to provide the most cost-effective solution.

#### ***Technical and Account Management***

Coates Indonesia has an extensive technical and account management team providing efficient services and solutions to our customers. The level of training and the knowledge of our team is unmatched by any other hire company in Indonesia.

#### ***Remote Operation***

In partnership with our customers, Coates Indonesia provides site specific remote facilities to ensure client's needs are always met.

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### PRODUCT RANGE (QUALITY & QUANTITY)

#### Mine Specific Machines

Coates Indonesia offers an extensive range of specialized mining and equipment to meet exacting customer specifications.

#### Oil and Gas Specific Machines

Our fleets are a combination of Zone II, Safe Zone and Rigsafe specifications.

#### Silver Service Maintenance

All equipment in our rental fleet, is subject to our customized Silver Service Program.

### CONVENIENCE

#### Convenient Locations

Five regional branches across Indonesia and multi service points close to our customers.

#### 24/7 Support

24-hours support, seven days a week and mobile technicians on call



#### Asset and Resource Management

Operational efficiency, particularly in the area of sustainable asset management, is critical to achieving operational excellence. Partnering with Coates Indonesia ensures success thanks to our well-established policies, processes, management systems and vast project experience.

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## SERVICE SYSTEM

Every Coates Hire machine is part of the Silver Service Program and carries a printed service sticker which details the machine's service program and also records when the machine was serviced (date and hours), where it was serviced (Branch), and who serviced it for measurability and accountability.

There are two basic tags that we place on our equipment to verify safety service availability

### 1. "READY FOR HIRE" tag

This tag is tied to the equipment to indicate to our customers and staff that the machine / unit has been thoroughly serviced and checked for safety and performance

The top portion of this tag indicates the following:

- Type of work done. Re-cleaned, safety checked
- Date of Service
- Hour meter reading
- Branch Code & Initial of the person servicing the equipment

The bottom portion contains the following:

- Equipment Type
- Asset Number
- Date of Service
- Hour meter reading
- Branch Code & Initial of the person servicing the equipment

### 2. The other tag used is "SILVER SERVICE"

This sticker as another method used to cross check that regular service (every 300 or 400 hours), have been carried out on each and every unit. This sticker is never to be removed from the equipment

**coateshire Indonesia Silver Service** Issue 2

**Mesin Penggerak Besar**  
- Kompresor Udara, Boom, Forklift, Roller Besar, Generator, Light Tower, Pompa, Mesin Las

**Large Engine Plant**  
- Air Compressor, Booms, Forklifts, Large Rollers, Generators, Light Towers, Pumps, Welders

**SERVICE "1B" ATAU "AS" DIBAWAH** - LAST "1B" or "AS" SERVICE BROUGHT FORWARD

TANGGAL Date	JAM Hours	NO. TYPE No. Type	CABANG Branch	INISIAL Initial

**Pemeriksaan Sebelum Disewa - PH (Pre-Hire) Checks**  
Jangan Catat "Pemeriksaan Sebelum Disewa" Pada Beker 1B - Do Not Record PH Checks On Beker 1B

1. Bersihkan dan periksa kerusakan fisik. Clean and check for damage.
2. Kompresor - Kurus air pada tangki angin. Compressor - Drain air receiver water.
3. Trailer - Periksa kondisi rangka dan pengikat Derek. Trailer - Check drawbar and tow hitch condition.
4. Radiator - Periksa standar air dan bersihkan sirip kipas. Radiator - Check water level ok, cooling fins clean.
5. Filter Udara - Periksa dan bersihkan. Air Filter(s) - Check clean.
6. Tali Kipas - Periksa kelengkapan dan kondisi. Fan Belts - Check tension and condition.
7. Tangki - Kurus air ditelannya. Fuel Tank - Drain off water.
8. Sistem Kemudi - Periksa kondisi. Steering Linkage - Check condition ok.
9. Baterai - Posisi baterai aman, lepasi baterai bersih, standar air cukup. Jangan mengisi baterai dengan air kersen. Battery - Secure, terminals clean/light, electrolyte ok. Do not use tap water.
10. Selang dan Pipa - Tidak berserutan dan tidak tergores. Hoses and Lines - Not rubbing or chafing.
11. Roller - Periksa Pembersih/Pengkilat tanah dan sesuaikan jika perlu (Drum Roller), juga diperiksa pembersih air yang berada diatas roda (Mud Tyre Roller). Rollers - Check scraper bar adjustment and wear, scraper operation ok.
12. Kemudi (artikulasi) - Periksa titik penyusutan dan kondisi kusenannya. Articulation - Check pivot adjustment and wear.
13. Roda dan Ban - Periksa kondisi apakah ada kerusakan, kondisi ban dan tekanan ban. Wheels & Tyres - Check no damage, tyre condition and pressure ok.
14. Mesin, Transmisi, Dudukan Drum - Periksa Keamanannya dan kondisi tidak rusak. Engine, Transmission, Drum Mounting - Check secure, not broken.
15. Pintu dan Panel - Periksa kerapian pada saat ditutup. Doors & Panels - Check they close and latch ok.
16. Pelumasan - Lemasi semua nipple. Lubricate - Grease all nipples.
17. Hidupkan dan Tes - Periksa semua fungsi berjalan dengan baik. Operate & Test - Check all functions operate ok.

**"1B" Setiap: 300 jam - "1B" Service: 300hrs**  
Semua Langkah Harus Dilakukan Dengan - All Above Plus

18. Mesin - Ganti oli mesin, filter oli, filter solar dan filter udara. Engine - Change engine oil, engine oil filter and fuel filter.
19. Saringan Pompa Solar - Bersihkan. Fuel Lift Pump Strainer - Clean.
20. Filter Hidrolik - Ganti. Hydraulic Filter - Change.
21. Fan dan Water Pump - Periksa bearing apakah bergerak longgar pada saat di goyang. Fan & Water Pump - Wobble check bearings.

**"AS" Penjadwalan Pemeriksaan - "AS" Annual Service**  
Semua Langkah Harus Dilakukan Dengan - All Above Plus

22. Mesin - Setel ulang katup tappet, periksa & kencangkan kembali baut inlet dan outlet masalah juga starter motor. Engine - Adjust tappets, re-torque inlet/exhaust manifolds and starter.
23. Cairan Pendingin Radiator, Oli Kompresor, Oli Hidrolik, Transmisi dan Oli Gearbox - Ganti pada saat dibutuhkan atau sesuai jadwalnya. Radiator Coolant, Compressor Hyd. Trans & Gearbox Oil - Change as reqd.
24. Rem - Raka roda/ban, periksa kondisi keausan. Ganti Oil rem saat dibutuhkan. Brakes - Remove wheels/drums, check wear/cond, change brake fluid as reqd.
25. Bearing Roda - Periksa apakah ada aus/kecil. Wheel Bearings - Check wear.

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## Our Fleet

Coates Indonesia leverages its core competency of superior asset management to drive value for customer and shareholders. Coates Indonesia provides a comprehensive range of equipment including:

- Dewatering Pumps
- Lighting Towers
- Power Generations
- Access Equipment
- Material Handling
- Air Compressors
- Welding Machines

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### Dewatering Pumps

Coates Indonesia has all the knowledge and expertise that will help you source the answer to your pumping needs. Whether you want to move large volumes of water, operate at high head or when water needs to move over a large distance, talk to our engineers who can tailor a solution for you.

There are specialized pumps unit for every pumping need, Coates Indonesia has in country solution for:

- Heads to 220m, flows up to 370L/sec;
- Simple or staged solution;
- Stand-by pumps;
- Water management capabilities;
- Environmental control solution;
- Solutions around friction loss and water temperature;

- Available types:

- CD150 Pump	max Flow rate 140L/sec	max Head 47m
- CD225 Pump	max Flow rate 220L/sec	max Head 53m
- HL130 Pump	max Flow rate 95L/sec	max Head 194m
- HL150 Pump	max Flow rate 100L/sec	max Head 149m
- HL160 Pump	max Flow rate 135L/sec	max Head 187m
- HL200 Pump	max Flow rate 166L/sec	max Head 117m
- HL250 Pump	max Flow rate 340L/sec	max Head 119m
- HL260 Pump	max Flow rate 350L/sec	max Head 147m
- SXHH 200-200-560	max Flow rate 220L/sec	max Head 185m
- SXHH 250-200-490	max Flow rate 330L/sec	max head 136m
- MF420E Multiflo	max Flow rate 370L/sec	max Head 150m
- RF420EXHV Multiflo	max Flow rate 350L/sec	max Head 220m

- Also available:

- Pontoons;
- Lay flat and pipe;
- Floats;
- Submersible pumps



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## Lighting Towers

Our ranges of lighting solutions enable your work area to be adequately lit, creating a safe work place for workers and pedestrian alike.

- Built to Australian Mine Specification
  - LED and Metal Halide
  - Trailer or Skid Mounted available
  - Hydraulic and Manual Mast Operation available
  - Minimum 24hr Fuel Tank
  - Various lighting alternatives-4000 watt to 24000 watt
- 
- Metal Halide:
    - 4000 watt - Firefly 4x1000W lights, hydraulic 9m mast
    - 4500 watt - MS4.5-9 Mine Spec 3x1500W lights, hydraulic and manual 9m mast
    - 6000 watt - Promac Prolite 6000 Mine Spec 4x1500W lights, hydraulic 9m mast
    - 6000 watt - MS6K-9 Mine Spec 4x1500W lights, hydraulic 9m mast
    - 9000 watt - MS9K-10 Mine Spec 6x1500W lights, hydraulic 10m mast
    - 24000 watt - SS24K-12 Mine Spec Skid Mounted 12x2000W lights, hydraulic 12m mast
- 
- LED Models:
    - 2400 watt - Promac LED Greenlight, Mine Spec 6x240w LED lights, hydraulic 9m mast
    - 2000 watt - Allight MSLED2000-9 Mine Spec 4x500w LED lights, hydraulic 9m mast
    - 1800 watt - Allight MSLED168K-9 Mine Spec 6x300w LED lights, hydraulic 9m mast
    - 2400watt - Allight MSLED224K-10 Mine Spec 8x300w LED lights, hydraulic 10m mast
    - CS 2000 - Powerlink LED Construction Spec 4x500w LED lights, hydraulic 9m mast



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## Power Generations

From 8kVA to 700kVA, we offer one of the largest generator fleets and the most technically advanced generating equipment available in Indonesia, backed up by field service support from 5 branches.

- Available in diesel-powered models, all silenced type :

- 8kVA, 50/60 Hz, 1 phase
- 10kVA, 50/60 Hz, 3 phase or 1 phase
- 20kVA, 50/60 Hz, 3 phase
- 30kVA, 50/60 Hz, 3 phase
- 50kVA, 50/60 Hz, 3 phase
- 80kVA, 50/60 Hz, 3 phase
- 100kVA, 50/60 Hz, 3 phase
- 125kVA, 50/60 Hz, 3 phase
- 150kVA, 50/60 Hz, 3 phase
- 200kVA, 50/60Hz, 3 phase
- 250kVA, 50/60Hz, 3 phase
- 270kVA, 50/60Hz, 3 phase
- 350kVA, 50/60Hz, 3 phase
- 500kVA, 50/60Hz, 3 phase
- 550kVA, 50/60Hz, 3 phase
- 700kVA, 50/60Hz, 3 phase

- Range of accessories, also available: Fuel Tanks, Cables, Transfer Switches
- Rigsafe and offshore frames available upon request

**Also available Nugen with "Intelligent" controller**

- Load Sharing, remote monitoring
- 250kVA
- 350kVA
- 500kVA

Genset with new Comap Inteligen Controller

- **Load Banks:**
  - 1000kW, 3 phase
  - 600kW, 3 phase



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## Access Equipment & Material Handling

Coates Indonesia is able to supply the correct access equipment ranging up to 18m.

When you hire access equipment from Coates Hire Indonesia, you benefit from our comprehensive branch network. Regardless of whether your site is in the city or in regional or remote area, Coates Indonesia transport networking will get it there. Coates Indonesia will provide maintenance and field service to ensure our access equipment is in peak working condition.

Available:

- Boom lift JLG600AJ, 18m, knuckle boom
- Boom lift Manitou 180ATJ, 18m, knuckle boom

Coates Indonesia has a Forklift and Telehandlers for your site and industrial applications.

### Forklifts:

- 2.5 ton
- 3 ton
- 5 ton
- 10 Ton

### Telehandlers:

- Manitou MLT1740, 4t lift capacity, 17m reach, 4WD
- Manitou MLT845, 4.5t lift capacity, 8m reach, 4WD \*
- Manitou MLT860, 6t lift capacity, 8m reach, 4WD\*

Complete with:

- Fork Tynes
- Jib Crane
- Bucket
- Man Cage

*\*Tire handler attachment available on request*



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## Air Compressors

Our compressed air equipment ranges from 180cfm unit to 1060cfm diesel powered mobile units. Compressed air is a clean, safe and reliable source for a variety of jobs, including drilling, grinding, chipping, pumping, paint spraying, winching and lifting.

Available with trailer mounted and offshore frame:

- 185cfm, diesel, 102psig, trailer mounted & rigsafe frame
- 375cfm, diesel, 125psig, trailer mounted & rigsafe frame
- 390cfm, diesel, 102psig, in a rigsafe frame
- 750cfm, diesel, 170psig, in a rigsafe frame
- Airstart, diesel, 170psig, in a rigsafe frame
- 825cfm, diesel, 125psig, in a rigsafe frame
- 875 cfm, diesel, 125psig, Zone II
- 1000cfm Safe Zone

*Complete range of Air Filters, Dryers, Steam Generators and High Pressure Compressors also available on request.*



## Welding Machines

Coates provide electric or diesel welding machine up to 600 Amp. Our units provide a wider range of welding current to suit specific electrodes, specific welding methods and gouging purposes.

- 600Amp, Lincoln, Electric
- 600Amp, Lincoln Titan 701 , Diesel
- 600Amp, Miller 600DX , Diesel
- 650Amp, Lincoln, Diesel
- 500Amp, Lincoln, Diesel

*Available in skid, framed or trailer mounted*



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### Why Rent?

Over many years as equipment rental specialists to the mining, construction, oil and gas industry we have developed expertise in managing the assets that you need to get your job done and we believe that it often makes sense for smart business operators to rent equipment rather than owning it.

Renting equipment has many advantages over other methods managing equipment assets such as:

#### **Renting gives you access to pool of equipment**

One piece can be replaced quickly and efficiently therefore minimizing the cost of breakdowns

#### **When Renting**

You will always have access to the right equipment for the job therefore increase the efficiency and safety of your workforce

#### **Eliminate Maintenance Cost Reduce**

Reduce the infrastructure costs of owning equipment and employing service team. Coates Indonesia can look after this for you

#### **Renting Equipment can help reduce investment**

Therefore, freeing up capital for your core business activities

#### **Increase your borrowing power**

Renting our asset can help remove liabilities from your business thus improving financial rates that your bank is looking at when deciding to approve finance facilities

#### **Eliminate Equipment obsolescence and depreciation**

Today technological change is rapid and new equipment is coming along all the time to help get you job done safer and more efficiently. Coates Indonesia is constantly introducing new equipment to the fleet and therefore we can help you remain competitive at all times

#### **"Variables" adds to your costs**

As the Energy Industry, goes through peaks and troughs in activity it makes sense not to carry large fixed overheads. Renting allows you to link your costs to your level of activity and therefore stabilizes your profitability

#### **Renting will help you improve your customer service**

Customer needs change over time and renting gives you the flexibility to adjust to changing customer needs.

#### **Renting is good for the environment**

By renting you are gaining access to a shared pool of assets that are available to everyone and tend to be utilized more than assets owned and operated by a single business

Greater utilization leads to greater efficiency in the use of resource and less waste and that can only be good for everyone

#### **Renting can help improve Staff and Contractor safety**

Equipment supplied by Coates Indonesia is well maintained and compliant with the latest legislative requirements

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## COATES INDONESIA

### BALIKPAPAN Head Office:

Jl. Mulawarman No 116 RT 032  
Kel. Sepinggan Raya - Balikpapan 76115  
Kalimantan Timur  
Phone : 0542-760 174 / 765 584  
Fax : 0542-765 504

### SURABAYA Branch:

Komplek Pergudangan Suri Mulia Permai  
Jl. Margomulyo No 44 Suri Mulia Blok F-9  
Surabaya 60183 - Jawa Timur  
Phone : 031-748 0380 / 748 0122  
Fax : 031-749 8156

### SANGATTA Branch:

Contractor Area, Road 9 Swargabara  
KPC Project, Sangatta  
Kalimantan Timur  
Phone : 0549-219 55  
Fax : 0549-219 44

### PEKANBARU Branch:

Jl. Arengka II Komp. Pergudangan AVIAN  
Blok D-7  
Pekanbaru 28292 - Riau  
Phone : 0761-863 837  
Fax : 0761-863 717

### JAKARTA Representative Office:

World Trade Centre 5, Level 3A  
Jl. Jend. Sudirman Kav. 29-31  
Jakarta - 12920  
Phone : 021-2598 5023

### SOROWAKO Branch:

c/o PT INCO, Plant Site Office  
Sorowako - Sulawesi Selatan 91984  
Phone : 021-524 9162 / 524 9100  
Fax : 021-524 9478

Email : [inquiries@ptcoates.com](mailto:inquiries@ptcoates.com)  
**[www.ptcoates.com](http://www.ptcoates.com)**

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