



**NextGen  
Automation**  
*Solution Simplified*

**AN ISO 9001  
ORGANIZATION**



**ELECTRICS**



**CONTROL**



**AUTOMATION**





## CORE BUSINESS DOMAIN



### Plant Electrics & Automation

We provide complete plant electrics & automation for metals, mining, power, port, railways and other heavy industries. Our core competency is in the material handling sector and we have successfully executed and delivered more than 150 numbers of Rail mounted Bulk Material Handling Machines like:

- Stacker Cum Reclaimers
- Circular Blending Machines
- Gyratory Crusher
- Wagon Tippler
- Luffing Stackers
- Wagon Loader
- Scrapper Reclaimer
- Ship Loader
- Bridge Reclaimer
- Ship Unloader
- Barrel Reclaimer

We are one of the globally certified Electrics & Automation solution partner of **SIEMENS** in crane & material handling sector.

### Crane Electrics

We are globally certified by Siemens for design, engineering, supply and manufacturing of Crane Electrics. Our technical team is trained from Siemens, Germany and fully equipped to execute large Crane electrics project – be it brownfield retrofits or new greenfield projects. Carrying on our expertise in Material Handling Machines we are involved for execution of following crane electrics:

- Rubber Tyre Gantry Cranes
- Port and Container Cranes
- EOT Cranes
- Ship to Shore Cranes



Crane Control Panels  
for TGS, Tata Steel







## CORE BUSINESS DOMAIN



### Complete Turnkey Electrical & Automation Package solutions

Irrespective of the industry, we have always partnered with our customers to give a single window turnkey solution with clear scope matrix, deliverables and project schedules. Our design, engineering, manufacturing, testing and commissioning team are well established and experienced in this field. All our QAP, FAT procedure and other quality policies are ISO 9001 compliant.

We offer solutions from control voltages of 24V upto Medium Voltages of 33KV. Our integrated turnkey approach is generally achieved with the following products :

- HT Panel/ Breaker/Isolator
- Transformers
- Bus Ducts
- PCC, MCC, iMCC
- Motors - MV & LV
- DCS
- PLC System
- VFD and Soft Starter Panels
- Networking and SCADA
- Plant Illumination
- CCTV and Fire Alarm/Protection system
- Plant Communication system
- Cable, Cable trays
- Earthing and Safety equipments





## CORE BUSINESS DOMAIN



### System Integration

We provide complete system integrated solutions associated with HT panel, PCC/ MCC, PLC, SCADA/HMI, AC variable drives, DC variable drives, Server system, Level-2 Automation etc. - for general as well as customized requirements in Material Handling, Coke Oven, Sponge Iron, Mini Blast Furnace, Coal Washery, , Process Plant, Water System, Substation Automation etc. We are one of the authorized system integrator of **SIEMENS** We normally use **RITTAL** for all our automation & control panel requirements.



We have executed some very critical projects involving 4X1400 A Active Front End VFDs for Grab Ship Unloaders having total power handling capacity of 2.5 MVA at 500 Volt at Kalinga Port, Paradip.



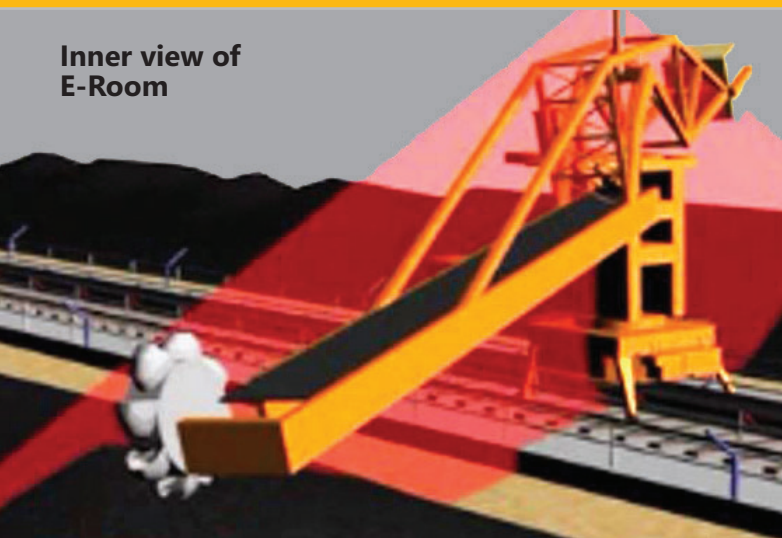
### 3-Dimensional Stockpile Profiling & Volumetric Measurement

We are the sole authorized solution partner of **LASE** in India for providing laser based solutions like 3-D stock profiling, volumetric measurement, thermal imaging, etc in material handling industries.

We also do lot of specialized material handling applications involving Anti-collision, GPS, Wireless, radio based communication system, etc.



Inner view of E-Room







## CORE BUSINESS DOMAIN



### Retrofitting

We carry out projects involving migration & obsolescence management of old / obsolete/ outdated system to new state-of-the-art updated technology. Our engineering & commissioning team is well equipped and skilled to upgrade old systems to new ones.

Our achievements include lots of Rubber Tyre Gantry (RTG) crane electrics upgrade to E-RTG.

### Packaged Electrical Room (E. House)

From moving machines to isolated control station our custom made E-Houses provide a perfect integrated plug & fit solution. The E-Rooms are assembled, tested and manufactured in our own factory and are successfully running in more than twenty end-customer premises globally. So far we are proud to deliver almost 100 E-Houses to our customers.

The E-House, also known as E-Room consists of an Air-Conditioned container where all the major Electrical Equipment like HT Panels, PCC, MCC, PLC Panels, VFD Panels, UPS, Control Desk are assembled and interconnected through in-house cable and cable trays. JB's are attached to the E-Room wall for field cable termination.



Inner view  
of E-Room

## CRENDENTIALS

We deliver world class Electrical and Automation projects with ISO 9001 procedures following E-Plan based design and documentation, most modern and latest manufacturing norms, highly professional site erection / commissioning activities and high quality after sales support.

Customer satisfaction is the core to all our business activities and we continuously put all our endeavors to deliver projects exceeding customer expectations.

Siemens AG have selected us as their Indian solution partner for Cranes & Material Handling applications. LASE GmbH similarly have selected us as their Indian Counter part for 3D Stockpile Profile & Volumetric Measurement applications.



## CERTIFICATE



### NEXTGEN AUTOMATION PRIVATE LIMITED

ADDRESS: UNIT - 102, 1ST FLOOR, "PS PACE", 1/1A, MAHENDRA ROY LANE, KOLKATA - 700046, WEST BENGAL, INDIA

Certify that the quality management system of the above organization has been audited and found to be in accordance with the requirements of standard detailed below

### ISO 9001:2015

For The Following Scope

ELECTRICAL & PLANT AUTOMATION TURNKEY PROJECTS, UPGRADATION OF EXISTING SYSTEMS WITH STATE OF THE ART TECHNOLOGY

Certificate No:- QAIS-Q-NA-07.19.015  
EA Code: 19

\*This certificate is issued in accordance with the QACS International Pvt. Ltd. auditing and Certification procedures and it is remain valid subject to annual surveillance audit.

Certificate Issue Date: 7th July 2022

Date of Initial Registration: 6th September 2019  
Certificate Validity: 3 Years

1st Surveillance Date: 5th September 2023

2nd Surveillance Date: 5th September 2024  
\*Expiry Date: 5th September 2025  
Revision: 02

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

To Check the certificate validity please  
Refer Web:- [www.qacsworld.com](http://www.qacsworld.com)

This certificate is the property of QACS International Pvt.Ltd. and shall be returned immediately when demanded.



QACS International Pvt. Ltd.  
103 Lakshmi, Pargana, 42 Old Palms,  
Bhubaneswar-751001, India

Authorised Signatory

## Solution Partner Certificate



Nextgen Automation Pvt. Ltd.  
India

The company is a certified Partner and is authorized to use the name Siemens Solution Partner – Automation Drives. The certification has been proved in the following Portfolio Module:

Drives & Motion Control Cranes

This certificate is valid until October 2024



Florin Calarasu  
Siemens Partner Program

SIEMENS

LASE  
Industrielle Lasertechnik GmbH

LASE GmbH • Rudolf-Diesel-Str. 111 • 46485 Wesel

Nextgen Automation Pvt. Ltd. /  
C.D. Automation Pvt. Ltd.  
Mr. Sanjiv Dua  
Managing Director  
PS Pace Unit-102  
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LASE Industrielle  
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eMail: [info@lase.de](mailto:info@lase.de)  
Internet: <http://www.lase.de>



Wesel, 30.05.2018

### Letter of Authorization

Dear Mr. Dua.

We hereby confirm, that M/s Nextgen Automation Pvt. Ltd. having its Registered Office at Stephen Court, 1BA Park Street Kolkata- 700071, is our Authorized Solution Partner in India for 3D Stockpile Profile & Volumetric measurement solutions with LASE products and software.  
Nextgen Automation Pvt.Ltd. is authorized to execute projects as well as provide after Sales services & spares in collaboration with LASE GmbH Germany.  
This agreement is valid until 30.05.2019

LASE Industrielle Lasertechnik GmbH

L.V. Carsten Wiesen  
LASE Industrielle Lasertechnik GmbH  
Rudolf-Diesel-Str. 111  
D-46485 Wesel  
Tel.: 0281/95990-0, Fax: 95990-111  
Sales Manager Asia

Antequipos Distribuidores: 10020, Garmatoprodukt: 010, Ing. Lase Anstalt  
Vollständiger Reparatör: 010, Ing. Lase Anstalt  
Drehstuhl: 010, Ing. Lase Anstalt  
Verfahren: 010, Ing. Lase Anstalt  
Commodore: 010, Ing. Lase Anstalt



# MAJOR CLIENTS



## HONGSA POWER

Letter No. HPC-MCM-OTH-18-0063(H); Page 1 of 1

HPC-MCM-OTH-18-0063(H)

26 May 2018

Nextgen Automation Pvt. Ltd.  
Unit - 102, 1st Floor, PS PACE 1/1A,  
Mahendra Roy Lane, Kolkata 700046

Subject: Certification for Electrical and Automation Work at Hongsa Mine Mouth Power Project

To whom it may concern:

This is to certify that Nextgen Automation Pvt. Ltd. had executed the complete electrical and automation of mine machines for Hongsa Mine Mouth Power Project in Lao PDR as a subcontractor under the Agreement No. HPC-12-005 Mining Fixed Equipment Services Agreement entered into contract between Hongsa Power Company Limited and Sandvik Mining and Construction Materials Handling GmbH & Co KG dated 30<sup>th</sup> April 2012.

The scope of work of Nextgen Automation Pvt. Ltd. includes Drawing, Design, Engineering, Supply and Supervision of erection and Commissioning of the machines as follows:

- 2 units Slewing Stacker (4800 tph)
- 3 units Bridge Reclaimer (2400 tph)
- 1 unit Spreader with Tripper Car (18000 tph)
- 2 units Multi Roll Sizer

Nextgen Automation Pvt. Ltd. has completed the execution and all related services for Hongsa Mine Mouth Power Project satisfactorily. All machines have been commissioned and operated with operation at the Central Control Room without any intervention from the machine operator since 22<sup>nd</sup> June 2015.

Yours sincerely,

Mr. Egkachai Suphankhan  
Deputy Managing Director  
For and on behalf of  
HONGSA POWER COMPANY LIMITED

Coordinator: Mr. Vachirasak Suvanchartree; Tel No. 020 2305 0201

NNH Building 4<sup>th</sup> Floor/Room No. D6, Boulichan Road, Phonsavan Village,  
Stattennark District, Vientiane Capital, Lao PDR.  
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Phonchanh Office, Hongsa District, Kayaboury Province, Lao PDR.  
Tel: +856 74 268121 - 29  
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- Tata Steel, Noamundi & Jamshedpur
- Tata Steel, South Africa
- Hoogly Metcoke, Haldia
- Chittaranjan Locomotive Works
- Adani Ports
- Larsen & Toubro Limited (MMH-IC)
- McNally Bharat Engineering Co.
- Tisco Growth Shop
- Takraf -Tanova
- Sandvik Mining & Construction, Austria
- Elecon EPC Project Ltd.
- Central Coal Fields Ltd.
- NTPC (End Customer)
- Metso Minerals
- Sandvik -Asia
- Hongsa Mines
- HPCL
- Ceratizit
- FAM
- JSPL
- JSW
- Jindal Stainless
- Macmet



Date: 27-Apr-2018

### To Whom It May Concern

This is to certify that M/S NextGen Automation Pvt. Ltd., having its registered office at "Stephen Court" 1<sup>st</sup> Floor, 18A Park Street, Kolkata 700071 has successfully executed following project on turnkey basis, whereas the machine was supplied by M/s. ELECON EPC Projects Ltd. for our Coal Handling Plant at Adani Petronet Port (Dahej) Pvt. Ltd, Gujarat, INDIA.

The scope of NextGen included design/engineering, manufacturing / procurement / assembly, Factory Acceptance Test, Site installation, testing and commissioning of complete Electrical, Control & Automation system including 3-D Stockpile profiling & Volumetric measurement by using 3-D LASER scanner & RTK-DGPS technology for machine positioning for the following machine.

1. Bucket Wheel Stacker cum Reclaimer -3machine (Capacity: 4600TPH stacking / 3500TPH Reclaiming)

The above machine was given in operation from December' 2016 and is running successfully. Overall system performance is satisfactory.

Thanking you

For, Adani Petronet Port (Dahej) Pvt. Ltd.

Bhopin Vakil  
Associate Vice President  
Techno Commercial

Adani Petronet (Dahej) Port Pvt Ltd  
At & PO Lakhigam  
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info@adani.com  
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Registered Office: Adani House, Nr Mithakhali Circle, Navrangpura, Ahmedabad 380 009, Gujarat, India



Conductix-Wampfler GmbH | P.O. Box 1928 | D-75574 Weil am Rhein

To whom it may concern

Your Ref.	Our Ref.	Responsible	Direct Dial (952-)	Fax (952-)	Date
		BITZ 10833860			20/03/2020

Subject:

### Electrification of 41-TON and 50-TON Rubber Tyred Gantry Cranes (E-RTG)

Dear Sirs,  
This is to certify that M/s NextGen Automation Pvt. Ltd having its Registered Office at Stephen Court, 18A Park Street Kolkata - 700071 was our Subcontractor for conversion of Diesel operated RTG into Electrified RTG in our projects for DP World Mundra MICT (18 RTG, SWL 41-TON) and APM Terminals Pipavav GPPL (8 conventional and 10 Siemens Eco RTG, all SWL 50-TON).

The comprehensive scope of NextGen Automation for APM Terminals Pipavav was:

For the RTG cranes:

- Electrical and mechanical design of the RTG conversion
  - Supply of 18 Siemens APMALM systems for power regeneration and 18 Isolation Transformers 690V/400V/500KVA
  - Supply of installation frames, cable sets, junction- and fuse boxes and Air Conditioner extensions
  - For Eco RTG removal of existing Eco Diesel Genset, supply of 10 new Drive rooms with Siemens Sinamics drives
  - PLC modification and integration of new systems into the existing crane PLC
  - Installation and commissioning of all systems including Conductix-Wampfler 'Drive-In L' electrification units
- For the Yard electrification:
- 5 Transformer Substations 11kV/690V/2000KVA with RMU, dry type transformer and each 6 outgoing lines
  - Supply and installation of LV cable from Substation to Conductix-Wampfler Conductor Rail Systems
  - 30 Pillar boxes with 690V/630A switchgear

Amount of work completed:	Supply:	INR 153650820.00
	Service:	INR 19216000.00
	Total Supply + Service =	INR 172866820.00

NextGen Automation has completed the project and all related tasks. All machines are in operation since December 2017.

With kind regards,

i.A.

Conductix-Wampfler GmbH

Page 1 of 1

General Management  
Franziska Bents

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# INDUSTRY VERTICALS

- Bulk Material Handling
- Material Handling Port
- Railways
- Chemical & Process
- Metal, Mines & Minerals
- Power
- Cement
- Cranes



Grab Ship  
Unloader at  
Kalinga Port,  
Paradip



18000 TPH  
Spreader at Hongsa  
Mines, Laos

## NEXTGEN AUTOMATION PVT LTD

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