BRIGHT
INTERNATIONAL
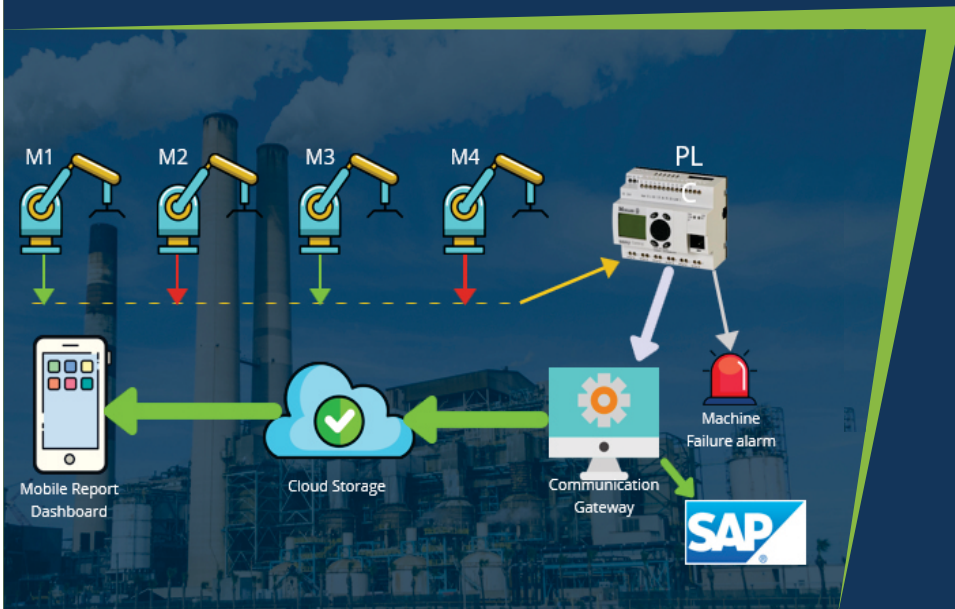GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
العالمية الهندسة

BRIGHT INTL - AALAMI ENGINEERING CONSORTIUM
برايت إنترناشيونال العالمية الهندسية كونسورتيوم

AI- IIOT-INDUSTRIAL AUTOMATION COMPANY

M1 M2 M3 M4 PL

Mobile Report
Dashboard

Cloud Storage

Communication
Gateway

Machine
Failure alarm

SAP

BRIGHT
INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
العالمية الهندسة

INTRODUCTION

Aalami Engineering Bright Intl Consortium is a automation product engineering services organization focused on helping you accelerate development of your IoT solutions and products. We provide specialized engineering services across the entire IoT development cycle from consulting, device engineering, cloud and mobility application development, data analytics, and support & maintenance.

We are having functional expertise and competent to provide standardized and most technology company engaged in providing solutions for Industrial Automation and Industry 4.0 .

We engage in tapping into the customers' problems, needs and delivering tailor-made solutions that users can simply ease into.

With unparalleled expertise in Design engineering, Factory testing and commissioning of DCS,SCADA AND PLC System has created benchmark and gained expert in Oil and Gas , Pharmaceutical Industry, Automotive Manufacturing Sector, Food & Beverages , Petrochemical and Chemical Industry .

We offer multiple models for commercial engagement that can be tailored to meet your specific needs

◆ WE SERVE

- *Power Plants*
- *Oil & Gas Field & Refinery*
- *Chemicals & Petrochemicals*
- *Pharmaceutical*
- *Food & Beverages*
- *Facility Management*
- *Automobile manufacturing sector*

BRIGHT INTL - AALAMI ENGINEERING CONSORTIUM
برايت إنترناشيونال العالمية الهندسية كونسورتيوم

◆ PRODUCTION MANAGEMENT SYSTEMS

At Production Solutions, we are the bold and resourceful. Solving your problems and hustling for your organization is what we love to do. We conceptualize and create solutions which are relevant to the Present & Future industry needs . You save time and experience improved results without increasing your costs.
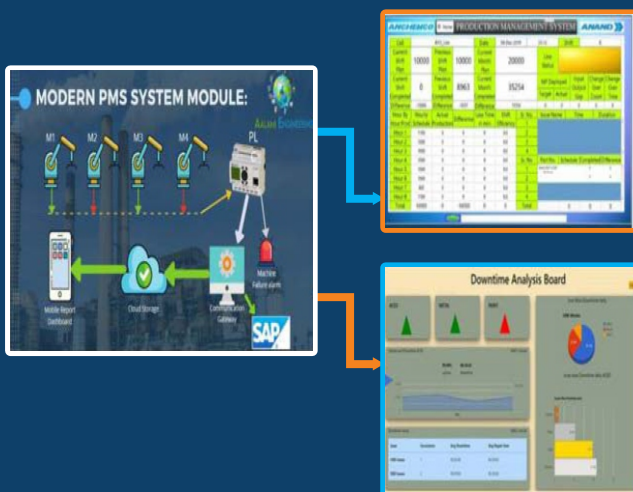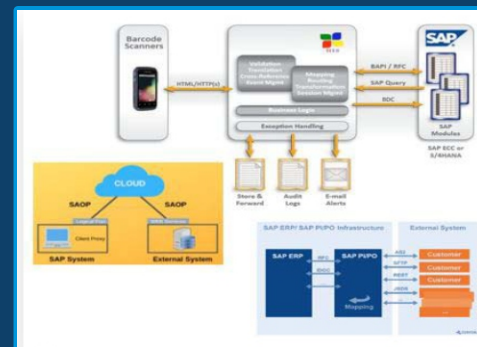
◆ KEY FEATURES

- **Real Time Efficiency Calculation**
- **Downtime Analysis**
- **High Speed Production Counter**
- **Cloud Based**
- **Monitoring(Application Based)**
- **Report Generation**

Cloud based Production Monitoring System to identify bottlenecks and adjust the entire production accordingly

- ✓ *Overall Equipment Effectiveness(OEE)*
- ✓ *Data Acquisition*
- ✓ *Operators or workers utilization*
- ✓ *Down time Analysis*
- ✓ *Daily Efficiency report generation*

SAP Integration with Third Party Software - SCADA

BRIGHT INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
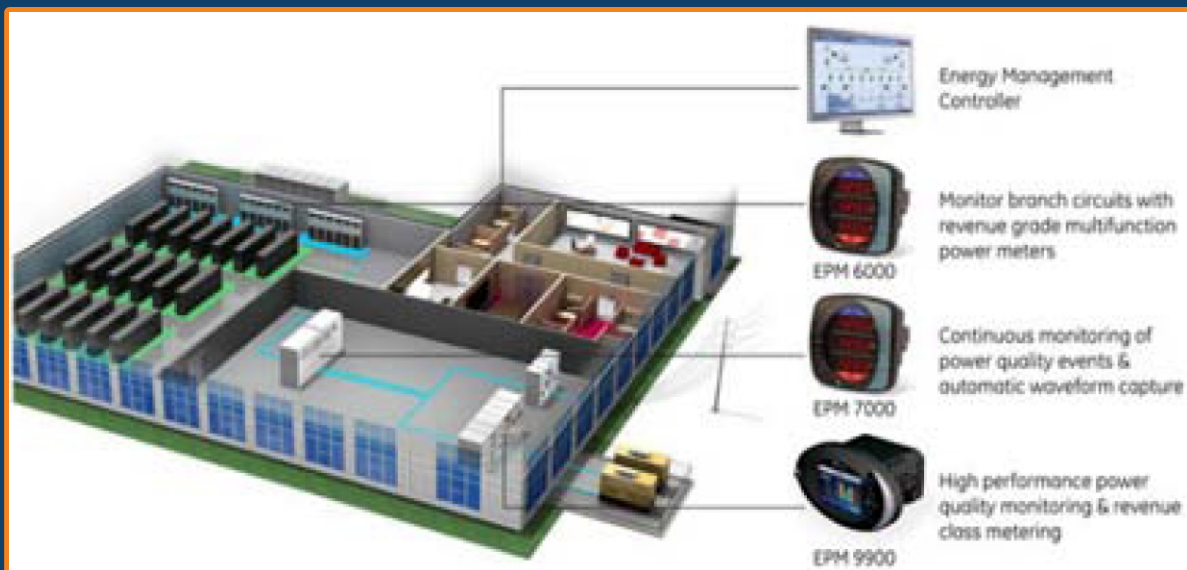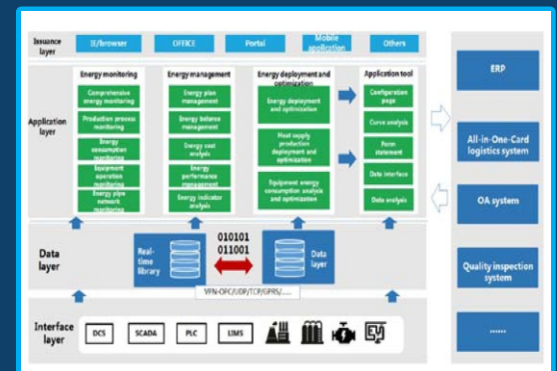العالمية الهندسة

◆ ENERGY MANAGEMENT SYSTEMS

In a move towards a reliable, affordable and the best optimized Energy network, HISGroup helps high energy consumers to achieve a reliable, cost efficient energy through smart energy management systems. This involves improving our energy networking systemsby providing smart control and communicative data technologies to give consumers control of their energy needs and costs.We Provide End to End project design, Engineering, commissioning, testing and services for customer Based Energy Solutions.
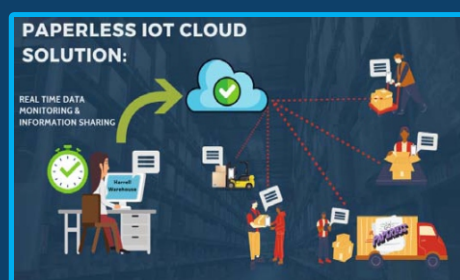
◆ KEY FEATURES

- *Remote Data Acquisition*
- *Real Time Monitoring*
- *Historical Data*
- *Power Quality Analysis*
- *Meter Software Integration*
- *Auto mated Billing*
- *Customized Reporting*
- *Alerts*
- *Overall Control and Monitoring*

Energy Management Controller

Monitor branch circuits with revenue grade multifunction power meters

EPM 6000

Continuous monitoring of power quality events & automatic waveform capture

EPM 7000

High performance power quality monitoring & revenue class metering

EPM 9900

BRIGHT INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
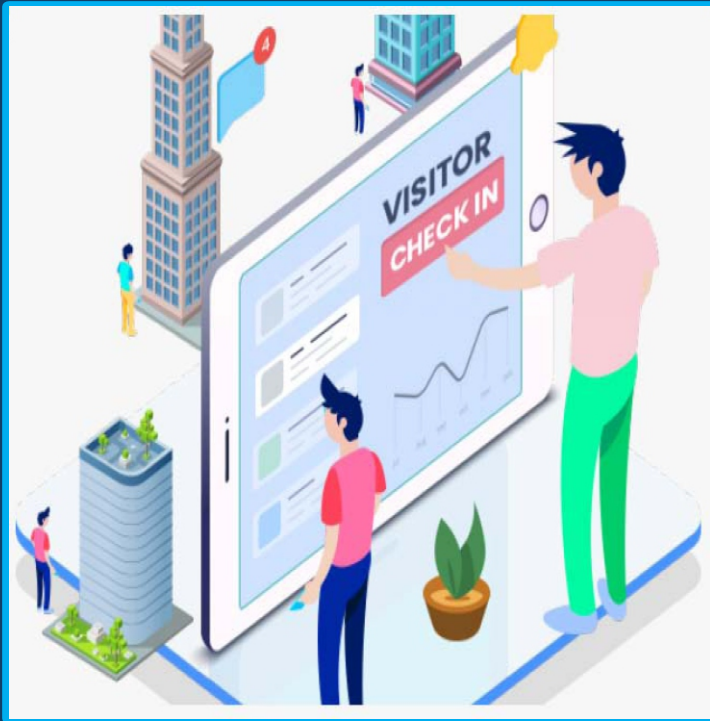العالمية الهندسة

◆ WAREHOUSE MANAGEMENT SYSTEMS

Distribution Management efficiency has a direct correlation to inventory optimization throughout the supply chain. Accomplishing this requires you to truly maximize inventory flow not only inside your warehouse.

- *Variety of Search Parameters*
- *User-Friendly Application*
- *Automatic Data Acquisition*
- *FIFO & LIFO Based System*
- *Zone Management*
- *Allocate Location*
- *Easy Material Flow*
- *Move-path Sequencing*
- *Integrated Fork-lift Guide System*
- *Web Based Access*
- *Report Generation*
- *Notification & Alarms*
- *QR Code Scanning & Printing*
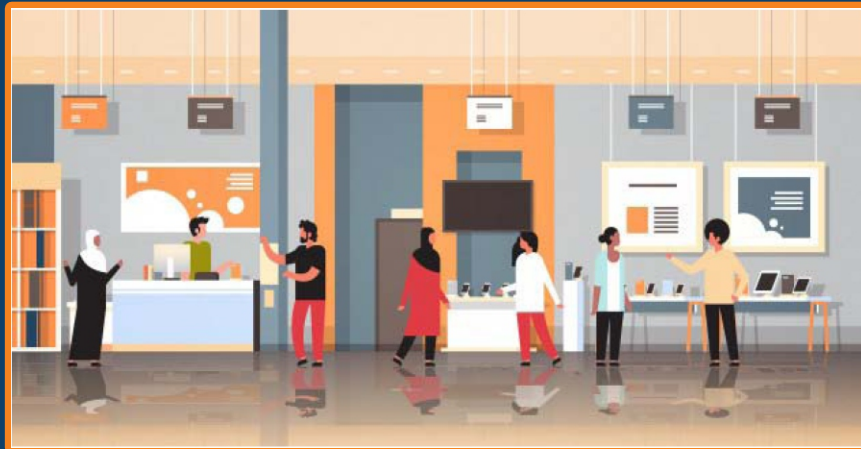- *Location Planning*
- *RFID Based Security System*

PAPERLESS IOT CLOUD SOLUTION:

REAL TIME DATA MONITORING & INFORMATION SHARING

KEY FEATURES:

Multi-Warehouse Control

Inventory Location Control

Maintaining IN/OUT Packing & Shipping

Cloud based Reporting & Analytics

Mobile Access Control

Complete Wokforce planning

BRIGHT
INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
العالمية الهندسة

◆ VISITOR MANAGEMENT SYSTEMS

Visitors have always been an important aspect to every industry and their entry in industry needs to be managed and to keep records. Our system helps in management of visitors into manufacturing industry or a corporate office. This system takes care of all the factors required to manage the visitor's entry into any organization.

- *Automatic Data Access*
- *Historical Data Record*
- *RFID Integration*
- *IoT Based Access*
- *Access Data Remotely*
- *Automatic Pass Generation*
- *Digital Signature Capability*
- *Alert & Alarm on Arrival*
- *Android / iOS Integration*
- *Real Time Update*
- *Check-in*
- *Check-out Time Analysis*
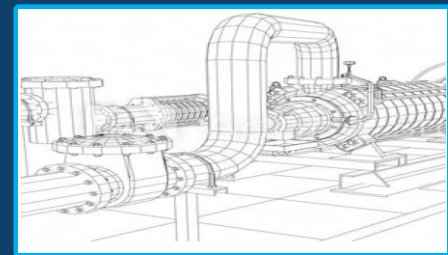- *Automatic Exit Pass Generation*

Location-based and navigation services are really needed to help visitors and audience of big events, complex buildings, shopping malls, airports and large companies. However, the lack of GPS and proper mapping indoors usually renders location-based applications . A mobile application offers navigation capabilities outside and inside buildings and through multiple floor levels.

◆ PREDICTIVE / PREVENTIVE MAINTENANCE SYSTEMS

The process of monitoring the parameter of machinery (vibration, temperature etc.), in order to identify a significant change which is indicative of a developing fault. The use of condition monitoring allows for scheduled maintenance to take & prevent consequential damages and avoid its consequences .
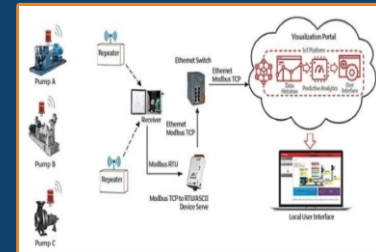
CONDITION MONITORING SYSTEM
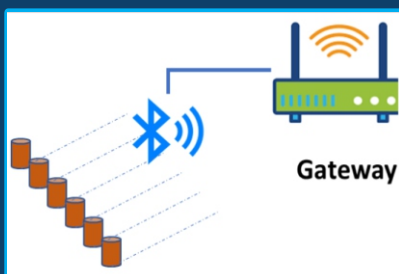

CONTROLLER BASED CBM SOLUTIONS

Features

1. This Solution consists of probe types sensors as per customised requirements.

2. Cabled sensores can be extended as per requirement.

3. This solutions is available for high temperature & vibration level requirements.

4. This Solutions addresses all reciprocating application needs.

5. Needs dedication online/offline software.
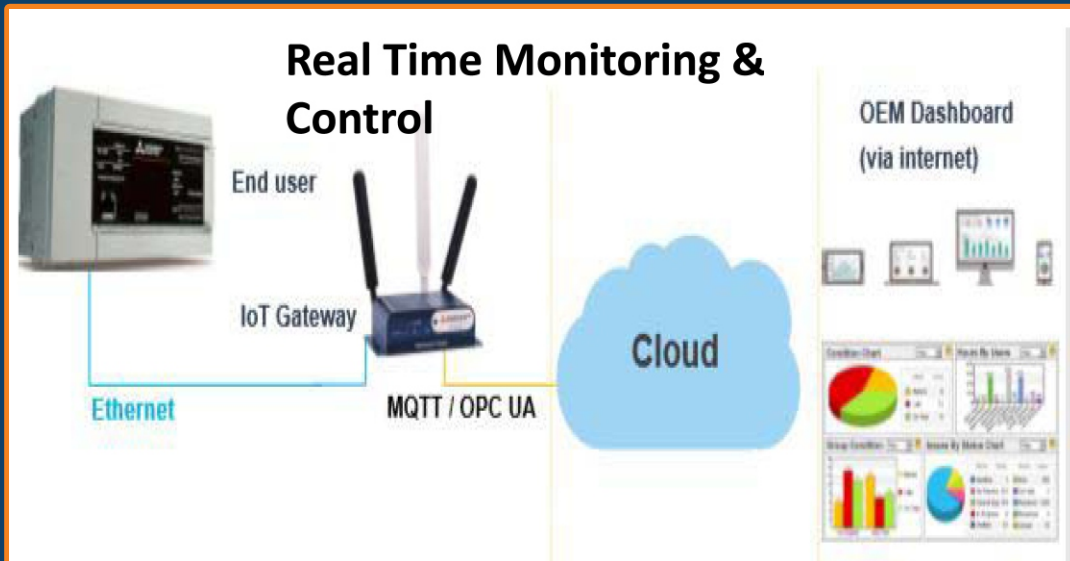
6. Hardware controller & accessories.
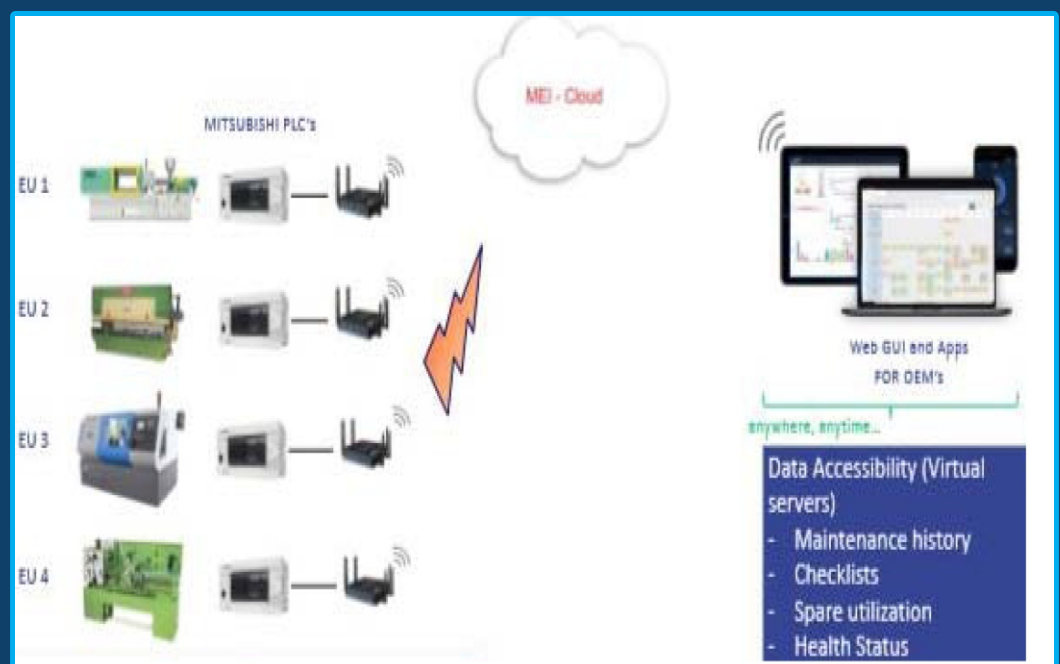

CONTROLLER BASED CBM SOLUTIONS

Features

1. This Solution will interact with gateway via Bluetooth Technology.

2. Power Supply Battery Operated.

3. Gateway Interface ethernet

4. Can be interfaced up to sensor 256 nodes.

5. API can be shared

6. Data on cloud & on premises solution.

7. Stud Mounting Easily.

8. Firmware upgradation over the Air.

9. Packaged solution with software Hardware.

10. Mobile app & dash board functionality.

11. Waterfall analysis, Machine downtime etc.

◆ **MACHINE INTEGRATION AND CLOUD CONNECTIVITY**

MACHINE INTERFACE WITH REAL TIME DASHBORD MONITORING

Our Hardware Devices

◆ *Sensors*

- *Monitoring of air using various sensors. All the sensors are accurately calibrated for better precision.*
- *Outdoor Co2 Sensor*

◆ *Key Features*

- *Wide CO2 Measuring Range5000ppm with +/- 40ppm Accuracy in full-scale*
- *Widely applied at Heavy Air-Pollution Area*
- *Standard Modbus RTU RS-485, Wide Power Range2-Wire*

◆ *RS-485*

- *10~30Vdc Power Input*
- *High Grade Enclosure ProtectionIP54 Grade Protection,*

◆ *ABS Plastic, UL94V0 Anti-fire*

- *Water-Proof, Anti-Dust with Out-Door Shelter*
- *Optional IoT Router and Cloud Platform Support Modbus to connect optional NB IoT Gateway*
- *WR222-WLAN-NB for one or many sensors*
- *Real-time online monitoring, analysis, reporting Remote cloud security and visual management*

BRIGHT INTL - AALAMI ENGINEERING CONSORTIUM
برايت إنترناشيونال العالمية الهندسية كونسورتيوم

BRIGHT INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
العالمية الهندسة

Key Features
- *Up to 96 Nodes Compatible*
- *Modbus RTU/TCP-IP Compatible*
- *Ethernet / RS-485 Input Port*
- *SMS / Email Notification*
- *MQTT Protocol*
- *JSON Data Format*
- *Cloud Base Support System*
- *2 usb ports*

◆ IOT GATEWAY

The Harrell IOT gateway are designed and manufactured by HIS Pvt. Ltd, the leading manufacturers of IoT solutions in India. Smart IoT Device is a versatile device which reads the modbus memory map of any RS-485 modbus protocol device and sends the data to the cloud server. The data stored can be viewed as per customer requirement on dashboard. SID is an ideal solution for online monitoring of RS-485 modbus data. SID mainly consist of GSM module and microcontroller-based control circuit. SID supports generic modbus rtu protocol for data acquisition and uses Mqtt protocol to communicate with IT application database on cloud. The Device can be easily configured within one minute to send your data on any Mqtt Server dashboard

◆ TECHNOLOGIES WE WORK WITH

◆ OUR CLIENTS

BRIGHT INTL - AALAMI ENGINEERING CONSORTIUM

برايت إنترناشيونال العالمية الهندسية كونسورتيوم

BRIGHT
INTERNATIONAL
GENERAL CONTRACTING & INDUSTRIAL SERVICES

AALAMI ENGINEERING
العالمية الهندسة

OUR INDUSTRAL AUTOMATION SERVICES

◆ *We Are into control systems design, Engineering, supply, Commissioning and services of all Makes (GE,SIEMENS,ROCKWELL,HONEYWELL,EMERSON….)*

OUR ENGINEERING SERVICES

- DETAILED ENGINEERING
- SYSTEMS DESIGNING
- DOCUMENTATION
- PROJECT CONSULTANCY
- SCADA/HIMI DEVELOPMENT
- DSC/PLC PROGRAMMING
- SOFTWARE DEVELOPMENT

SYSTEM INTEGRATION SERVICES

- DISCRETE CONTROL SYSTEMS
- PLC SCADA SYSTEMS
- IOT SOLUTIONS
- HYBRID CONTOL SYSTEMS
- DCS

◆ **FIELD INSTRUMENTATION**

We Supply all field instrumentation GE, SIEMENS, EMERSON, ABB & much more.

OUR CONTACT

Head Office :

Bright International
P.O. Box : 30732
Al-Jubail : 31951
Al Rashid Industrial State,Saudi Arabia

Phone

Telephone: +966 13 361 4360
Mobile: +966 55 848 4578
Fax: +966 13 361 4360
Email: marketing@brightintl.com, bdm@brightintl.com, sales@brightintl.com
Web site: www.brightintl.com

AALAMI ENGINEERING CONTACTS

Pune Branch Details
Roystonea D-801-
Magarpatta city Pune -411013, INDIA

Phone
Mr. Jameel : +91-97301-70001 (Sales & Business development)
Mr. Y. Ramesh : +91- 99998-68579 Engineering/Technical Support

Emails
sales@aalamiengineering.com
jameel@aalamiengineering.com