

Navy Blue Energy

Committed to the climate Change Mitigation..!



Navy Blue

Symbol of Sustainability

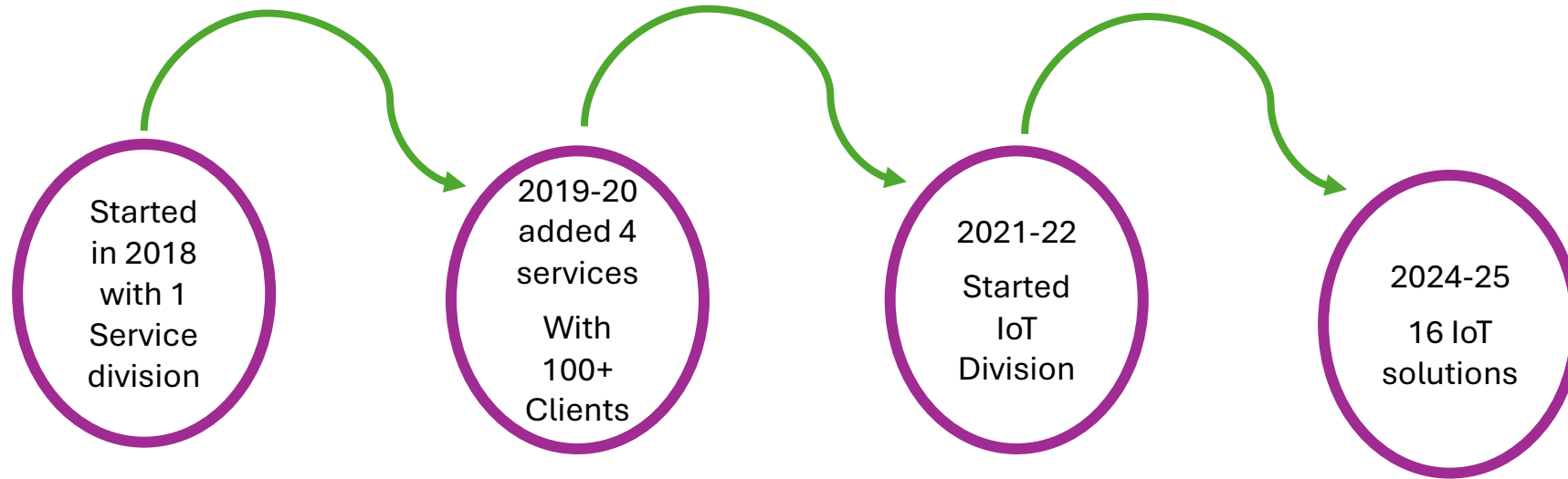
Who we are

- We are leading technology integrators and solution providers into Energy, Agri with IoT Solutions
- Started in 2018 under Startup India Scheme- DIPP- 23226



Our Journey...

Navy Blue Energy is Recognized startup Company under Start-up India DIPP23226,
With Company's vision of IoT Technology in Energy, Agriculture and water Technology.



Our Services

Detailed Energy audit

Water Audit

GHG (carbon Audit)

Electrical, Power Quality and Fire safety Audit

Testing and commissioning (Electrical and HVAC)

MEP Audit

Power System Studies

Infrared Thermography Studies

Renewable Energy Consulting

Special Engineering service



Energy Audits (Scope and Area Covers)

- ✓ Material and Energy Balance-
- ✓ Pumping System-
- ✓ Fans and Blowers-
- ✓ Compressed Air System-
- ✓ HVAC Analysis- Chiller, AHU, FCU, FAHU
- ✓ Electric Motors
- ✓ Electrical Systems-
- ✓ Building Electrical System and ECBC
- ✓ DG System Analysis
- ✓ Lighting System
- ✓ Heat Exchangers
- ✓ Waster Heat Recovery
- ✓ Boilers
- ✓ Cogeneration
- ✓ Insulation and Refractories
- ✓ Furnaces
- ✓ Steam system

Energy Audit Approach

1. Site Input Questionnaire

2. Walkthrough Audit

3. Detailed Energy Audit

4. Project Consulting (Energy Savings Project out of Audit)

5. Post Audit (Measurement and Verification- M&V)

Water Audit

- Water Balance (input and output)
- Defining the baseline (KPI) as per facility Operation
- Gap Analysis- Standard vs Designed vs Actual
- Water Conservation Measures (Reduce, Reuse and Recycle)
- Rainwater Harvesting Feasibility
- Detailed Report Submission with Cost-Benefit Analysis



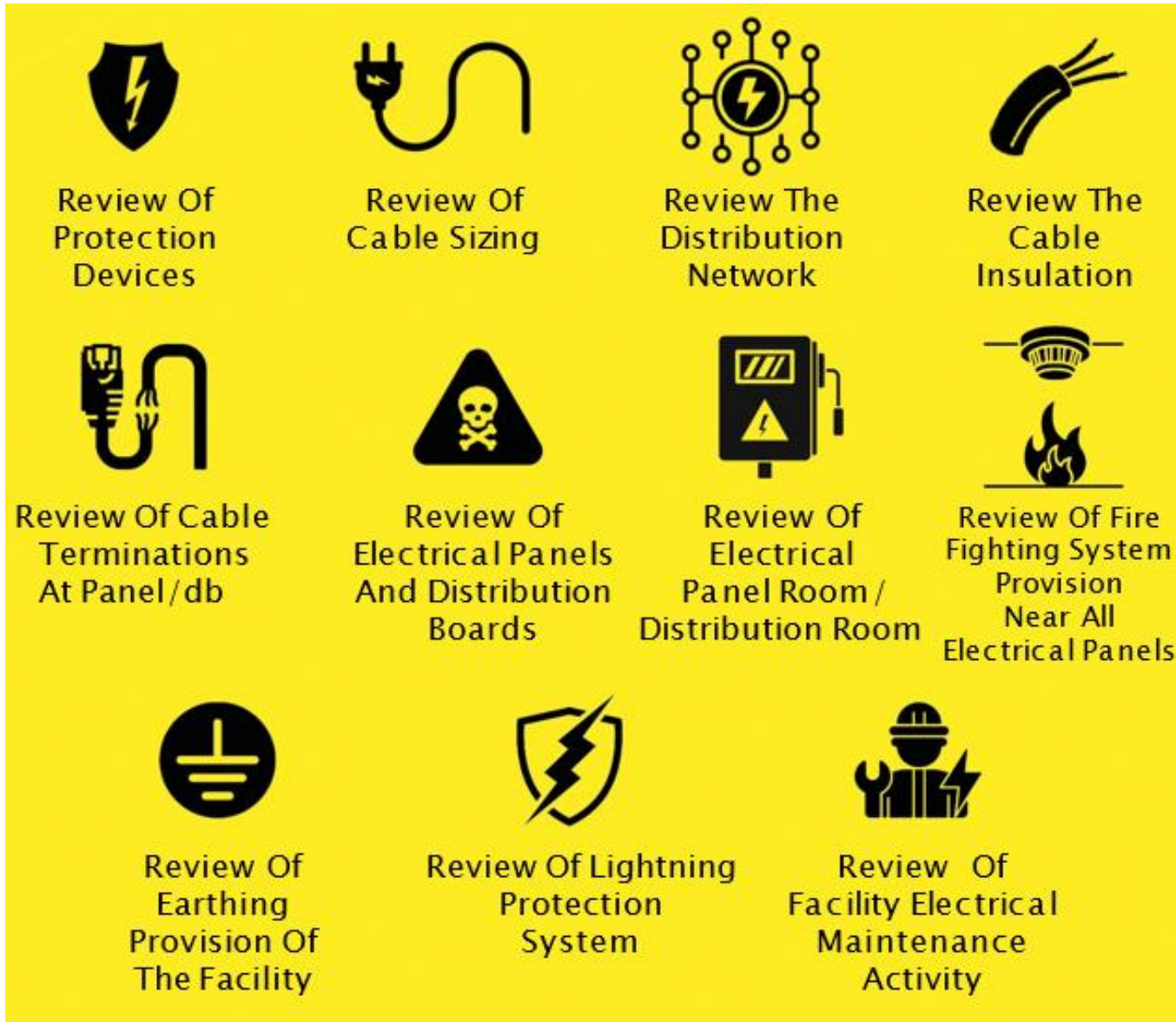
**Water
Audit**



Carbon (GHG) Footprint Auditing

- Defining the Scope (level 1, 2 or 3)
- Data collection (Inventory with proofs)
- Selecting Applicable GHG Standards
- Emission factors Selection
- Gross Accounting
- Proposing a Mitigation Plan (like by enhancing energy efficiency, substitutes like renewable sources, or offsetting by investing in green project or buying carbon credits)
- Report Submission and Assist to implement





Electrical+Fire Safety and Power Quality Audits

Testing and commissioning (Electrical & HVAC)

HVAC equipment inspection

Air and water balancing

Control system functional tests

Electrical system checks

Load and safety device testing

Final reporting and handover



MEP Audit

Visual Inspection

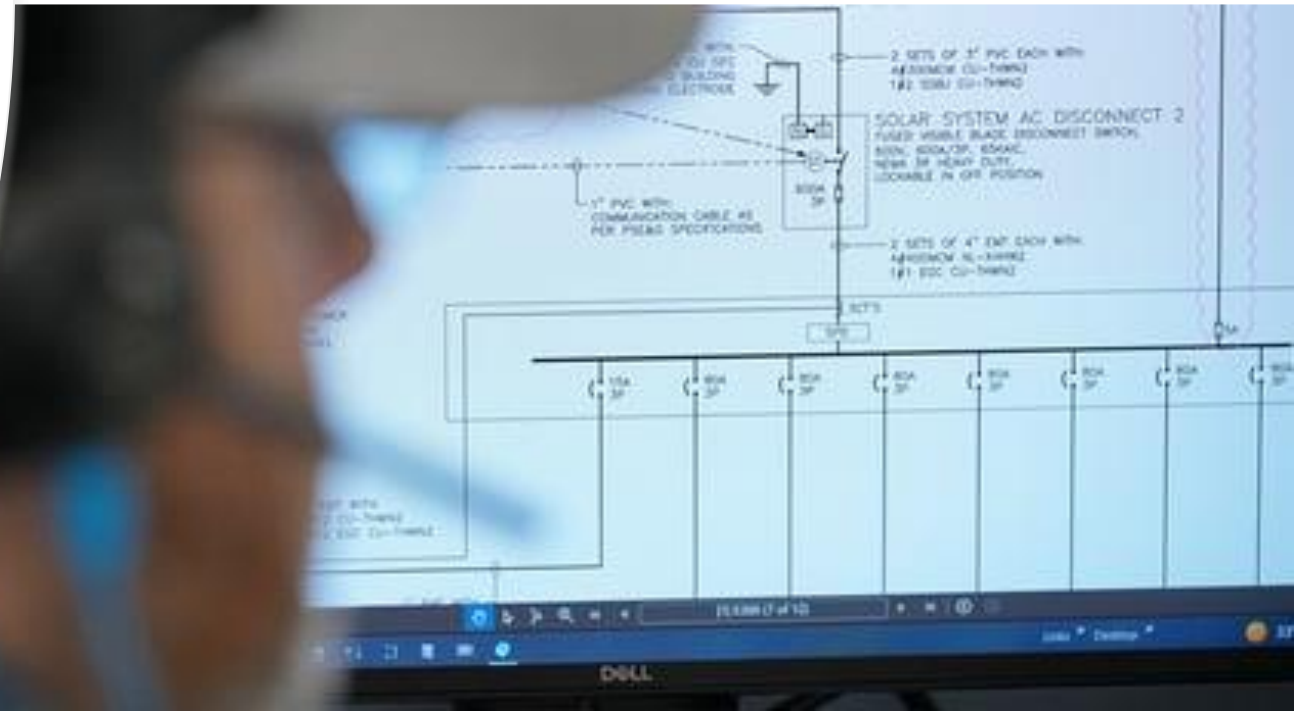
- Documentation Review
- Performance Testing
- Code Compliance Check
- Safety System Verification
- Energy Efficiency Assessment
- Report & Recommendations



Power System Studies

Load Flow Analysis

- Short Circuit Analysis
- Transient Stability Study
- Harmonic Analysis
- Protection Coordination Study
- Arc Flash Hazard Analysis
- Power Quality Assessment
- EMI



Infrared Thermography Studies

- **Non-Contact Temperature Measurement**
- **Detection of Hotspots and Abnormal Heating**
- **Early Identification of Electrical Faults**
- **Mechanical System Monitoring (e.g., bearings, motors)**
- **Report Generation with Thermal Images**



Renewable Energy Consulting

We Provide complete turnkey Engineering Consultation Solution for the solar Power Project viz ,Concept, Project Feasibility, Preliminary Design, Execution Planning, Project Realization.



Special Engineering service

- Value Engineering
- Peer Review & Design Validation
- Seismic & Structural Analysis
- Fire Safety Engineering
- Energy Modeling & Simulation
- CFD Analysis (Airflow & Thermal Studies)
- Acoustic & Vibration Studies



Brief Work Portfolio

- **Highly Qualified Engineering Team**
- **BEE and AEE Certified Auditor Team**
- **1100+ Detailed Audits**
- **45000 + MWh Estimated Energy Saving**
- **1200+ MWh Saving Achieved**
- **1000+ Tons CO2 Emission reduction**
- **200 + Clients in 6 + Countries**



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Symbol of Sustainability

CLIENTELE



Navy Blue
Symbol of Sustainability

FedEx

TATA
TATA PROJECTS

बैंक ऑफ़ इंडिया
Bank of India
Relationships beyond banking.

Bank of Baroda
बैंक ऑफ़ बड़ौदा
BANK OF BARODA

हिन्दुस्तान पेट्रोलियम
HP

PARRYS

Domino's Pizza

Canara Bank
A Government of India Undertaking
Together We Can

इंडियनऑयल



Schneider Electric

सेन्ट्रल बैंक ऑफ़ इंडिया
Central Bank of India

INDIAN RAILWAYS
Indian Railway
Life Line To The Nation

abp न्यूज़



MAHAVITARAN
Maharashtra State Electricity Distribution Company Limited

TOYO ENGINEERING

Godrej

suez

Dalmia

Cummins

thyssenkrupp



Lloyds Steel

ICICI Bank

CORNING

asianpaints

HARMAN

बैंक ऑफ़ महाराष्ट्र
Bank of Maharashtra
ONE FAMILY ONE BANK

SBI




SKECHERS

UltraTech CEMENT
The Engineer's Choice

TIMEZONE

Burckhardt Compression

Innovation Driven Business

 <p>INTELLECTUAL PROPERTY INDIA PATENTS OFFICE GOVERNMENT OF INDIA</p>	 <p>भारत सरकार, औद्योगिक संपत्ति कार्यालय, भारत सरकार, Intellectual Property Office, Government of India.</p>	<p>क्रम सं/SL No.: 022137267</p> 
<p>बौद्धिक संपदा कार्यालय, भारत सरकार, Intellectual Property Office, Government of India, (बौद्धिक संपत्ति कार्यालय, भारत सरकार, औद्योगिक संपत्ति कार्यालय, भारत सरकार, Intellectual Property Office, Government of India.)</p>		
<p>पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India</p>		
<p>पेटेंट प्रमाण पत्र Patent Certificate</p>		
<p>(पेटेंट नियमावली का नियम 74) (Rule 74 of The Patents Rules)</p>		
<p>आवेदन सं. / Application No.</p>	<p>202021014732</p>	
<p>फाइल करने की तारीख / Date of Filing</p>	<p>02/04/2020</p>	
<p>पेटेंटी / Patentee</p>	<p>Navyblue Resources Integration and Solutions Private Limited</p>	
<p>प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित ENERGY EFFICIENT ATM HVAC SYSTEM नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अप्रैल 2020 के दूसरे दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।</p>		
<p>It is hereby certified that a patent has been granted to the patentee for an invention entitled ENERGY EFFICIENT ATM HVAC SYSTEM as disclosed in the above mentioned application for the term of 20 years from the 2nd day of April 2020 in accordance with the provisions of the Patents Act, 1970.</p>		
<p>अनुदान की तारीख : 29/01/2024</p>		
<p>Date of Grant : 29/01/2024</p>		
<p>विषय - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अप्रैल 2022 के दूसरे दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।</p>		
<p>Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 2nd day of April 2022 and on the same day in every year thereafter.</p>		
<p>Navy Blue Resources Integration & Solutions Pvt Ltd</p>		
<p>www.nbri.in Powered by NBSense.in</p>		

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