
OVERVIEW OF EXPERTISE

- Over 2+ years experience in working in the energy and environmental sector with regional and International clients.
- Experience in interdisciplinary approach to problem solving, with an understanding of developmental energy and environmental issues.
- Building Energy Simulation Specialist using software like DOE2 (eQuest, VisualDOE4.1), Energy Plus (Design Builder Beta version), amongst others.
- Self-trained in Ecotect (Sustainable building & Environmental Analysis software) and DialLux (professional lighting design software).
- Excellent communication & interpersonal skills in working with international & regional clients.

WORK EXPERIENCE

En3 Sustainability Solutions, Chennai, India (Full Time)

Building Energy Performance Analyst / Illuminance consultant– May 2009 – till date

- **Responsibilities:**
 - Building Energy Modeling, Analyses and econometrics. Residential and commercial.
 - Daylighting and Exterior lighting design, simulation and, LEED code compliance calculations.
 - Perform spreadsheet-based calculations of potential energy savings opportunities in planning stages of projects and in support of policy development.
 - LEED credit documentation related to energy performance, Daylighting, Light Pollution Reduction, for compliance with standards.
 - Assist team members and client project teams with interpretation of and compliance with ASHRAE Standard 90.1 and local energy codes (ECBC, GRIHA rating systems).
 - Energy Analysis and recommendation of Energy Conservation Measures using DOE 2.1E & 2.2 (Visual DOE 4.1,eQuest)

ADVISORY WORK ON GREEN BUILDING CERTIFICATION (SELECTED)

- Energy & Atmosphere credits. List of some featured Projects involved
 - ✓ Dubai Customs, Dubai. (LEED USGBC-CS)
 - ✓ BMA International, Dubai. (GBPP)
 - ✓ Khaled Mohammed, Dubai. (LEED USGBC -CS)
 - ✓ Kuon Tong Apparels, Bangladesh (LEED USGBC -NC)
 - ✓ Malsi Hotel, Dehradun, India (LEED India -NC)
 - ✓ Charted Hotels, India (LEED India -NC)
 - ✓ Peninsula Technopark, Mumbai. (LEED India -CS)
 - ✓ Agility Logistic office building, Chennai, India. (LEED USGBC-CI Gold Certified)
 - ✓ Praana Resort, Chennai, India (LEED India-NC)
 - ✓ Peninsula TechPark, Mumbai, India (LEED India-CS)
 - ✓ Manyata SEZ, Bangalore, India (LEED India-CS Certified & LEED USGBC -CI)
 - ✓ Leela Building-3, Mangalore, India (LEED India-CS Certified)
 - ✓ Syntel, Chennai, India (LEED India-NC Certified)
 - ✓ Heritance Resort, Madurai, India (LEED India-NC Certified)
 - ✓ TATA Housing Project -Camelot, Eden Garden-Kolkata, Crescent Lake Homes-Chennai. (IGBC Green Homes Rating)
 - ✓ Akshaya home, 36 CARAT, Chennai. (IGBC Green Homes Rating Certified)
 - ✓ Real value Homes-Greenways road Chennai. (IGBC Green Homes Rating Platinum Certified)
 - ✓ Bhuvana Greens, Bangalore. (IGBC Green Homes Rating Certified))
 - ✓ North Bridge, Bangalore. (IGBC Green Homes Rating)
 - ✓ Sona College of Technology, Salem. (GRIHA Rating Systems)

- Daylighting Design for LEED Credit requirement (using Ecotect & Daysim). List of some featured Projects involved
 - ✓ Agility Logistic office building, Chennai, India (LEED USGBC –CI Certified))
 - ✓ Bhuvana Greens, Bangalore (IGBC Green Homes Rating Certified)
 - ✓ TATA Housing Project -Camelot, Eden Garden-Kolkata, Crescent Lake Homes-Chennai. (IGBC Green Homes Rating)
 - ✓ Sona College of Technology, Salem. (GRIHA Rating Systems)
 - ✓ Soudhamini, Bangalore. (IGBC Green Homes Rating)
 - ✓ Real value Homes-Greenways road Chennai. (IGBC Green Homes Rating Certified)
 - ✓ Leela Building-3, Mangalore, India (LEED India-CS Certified)
 - ✓ Syntel, Chennai, India (LEED India-NC Certified)
 - ✓ True Value Homes, Navaloor, Chennai. (IGBC Green Homes Rating)
 - ✓ Akshaya home, 36 CARAT, Chennai. (IGBC Green Homes Rating)

- Exterior lighting design (DiaLux). List of some featured Projects involved
 - ✓ CISCO, Bangalore, India (LEED India -CS)
 - ✓ Qualcomm, Bangalore, India (LEED India –CS Certified))

EDUCATION

- **M.E-Engineering Design:** College of Engineering, Anna University, Guindy, Chennai.
-Aug 2007-Apr 2009.
- **B.E-Mechanical Engineering:** SSM College of Engineering, Affiliated to Anna University, komarapalayam. -Sep 2003-Apr 2007.

SKILLS

Content Development	-Energy Modeling, Daylight Modeling, Artificial Lighting, Interactive Script Writing, Information Design
Technical	- Proficient in DOE-2.1, Visual DOE-4, eQuest, WINDOW5, Design Builder CFD, Ecotect, Daysim, DiaLux. - Working knowledge of Energy Plus, Air Model, Climate Consultant, Meteororm, and Radiance.
Data Analysis, Documentation and Graphic Design	- Extensive use of MS Excel, Word, PowerPoint, Visio, Notepad ++ and Text pad. - Experience using AutoCAD, Revit and Sketchup.