



ILLUMINE i

**CORPORATE
PORTFOLIO**

"To support every human and every company on the planet achieve Sustainable Living"



ABOUT THE COMPANY

We envision to build a sustainable future with a focus on building designs that aids in **energy conservation**, **alternative energy resources** and **scalable design** that yields better efficiency. A construction project that employs Building Information Models excels in cohesive features and optimizing options in a unique way that people can understand and utilize. With advanced visualizing features, clients can foresee the benefits from different sustainable-design approaches. Our methodology towards a project reduces 30-50% of the Energy consumed than in a classic construction process and costs no more to build than a conventional Construction.

It all began in the summer of 2014 on a journey from California to the village of Madurai. During the trip, there was a smooth transition from city lights, airports and busy streets to small towns, shops, and structures with single light bulbs hanging from roofs made of coconut leaves. This prompted us to question the unbalanced **“human and inanimate”** energy distribution between city and village lifestyles. Our journey drove us to solve the issue of energy starvation in small communities, but also to help industrialized societies reduce energy usage with improved engineering and sustainable BIM solutions.



OUR STORY

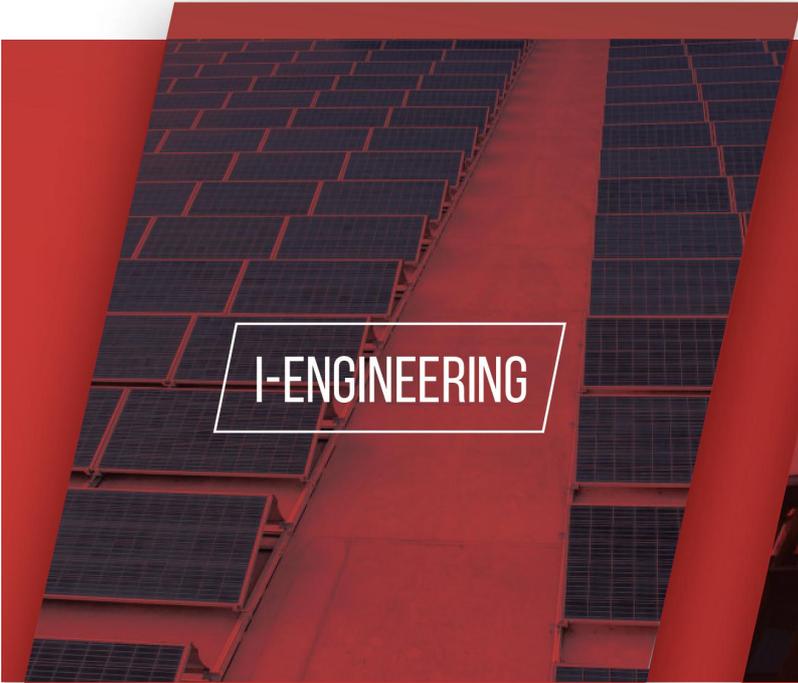
FIRM OVERVIEW

Illumine Industries is headquartered in **San Francisco, California**. The firm currently employs over 40 industry professionals who are motivated to match the energy requirements of the country. Illumine-i was founded by ex-Sunrun and SolarCity employees.

Since its inception, Illumine-i has grown both horizontally and vertically by performing new services and expanding their client list. This growth has helped Illumine-i to deliver a broad range of **professional services**. With our professionals working 24/7, Illumine industries provides its clients with an unmatched drive for **better, faster and safer projects**.

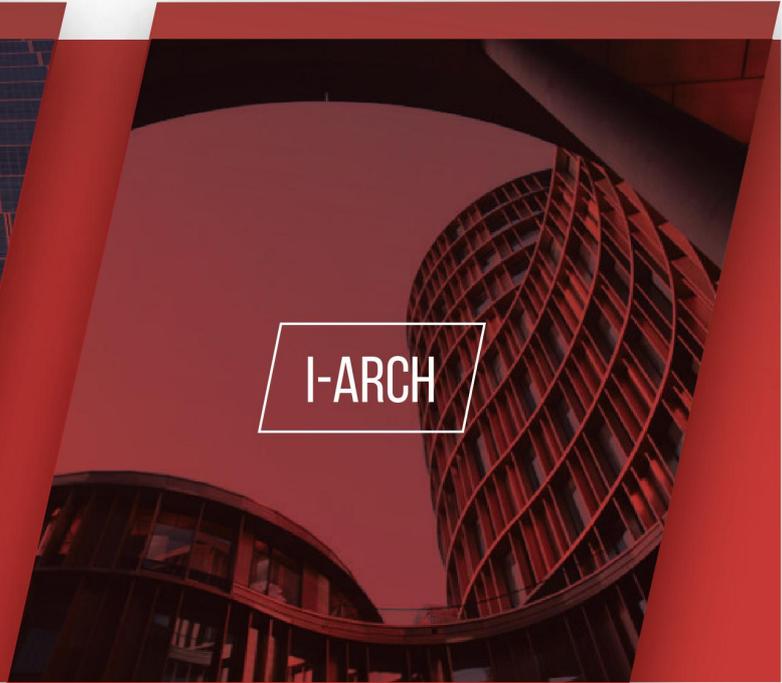
Illumine Industries' success is dependent on our amazing people, a wide range of services, a competitive mind-set, and our forward-thinking, customer-focused spirit which in turn follows a team-oriented culture.

OUR VERTICALS



I-ENGINEERING

SOLAR ENGINEERING
SERVICES



I-ARCH

BIM
SERVICES

OUR BIM SOLUTIONS:

1) BUILDINGS-COMMERCIAL AND MULTIPURPOSE

2) INDUSTRIAL AND POWERPLANT BUILDINGS

3) PUBLIC WORKS/CIVIL BUILDINGS

4) AIRPORTS AND METROS

BIM MODELLING AND COORDINATION

We develop Building Information Models based on criteria that are important to the translation of the building's integrated design and coordination. Our team of experts in architecture, structure, and MEPF connects the virtual 3d models with a powerful database of properties, quantities, means and methods, costs and schedules. These BIM data allows owners and stakeholders to collaborate, co-ordinate and make decisions based on information derived from the integrated model. Quantity and Cost estimation: Illumine I Provides precise estimation of time & cost by integrating project management tools with design authoring tools. It helps us analyze the impact of design changes on the project time and achieve better site planning and coordination.

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FACILITY MANAGEMENT

Building Information Modelling (BIM) integration into **asset management** software facilitates superior **visualization of assets** and helps in the **maintenance and operation of a facility**.

SCAN TO BIM

The practice of using **3D laser scanners** to build **BIM schematics** of existing spaces. Where deployed, this delivers the highest levels of quality assurance possible, taking the detailed scheduling and schematics of BIM to the next level by allowing teams to compare those plans to outcomes, in **precise detail** if required.

BUILDING DATA INTEGRATION AND ANALYTICS

One of the current challenges Illumine works out is to **optimize energy consumption**, while considering **occupant comfort**. Modern buildings will contain an increasing number of wireless sensors and meters to monitor building performance. This data allows improved analysis of **building performance** to increase **energy efficiency** along with user experiences.

BIM AUTOMATION

We started implementing automation in BIM as we saw maximum potential there to **reduce overall project time**. Increased efficiency in model creation should also cascade quickly to other stages leading to improvements in time consumption and provide **less prone to errors**, more **efficient workflow** to engineers/architects.

VIRTUAL REALITY & AUGMENTED REALITY IN CONSTRUCTION

Though **Augmented and Virtual Reality** reached construction sites rarely, they still manage to deliver fascinating results and make an impact on how our AEC clients perceive it. From Illumine's standpoint, AR and VR could help you access construction information to build faster and better buildings.

OUR COMPANY'S WORKS

SCOPE

LOD 300
3D BIM MODEL FOR ENERGY
OPTIMIZATION OF GEORGE BUSH
INTERCONTINENTAL (IAH) AIRPORT

SERVICES

- ARCHITECTURAL 3D MODEL
- MECHANICAL 3D MODEL
- ELECTRICAL 3D MODEL



SCOPE

LOD 300
3D BIM MODEL FOR ENERGY
OPTIMIZATION OF
WILLIAM P. HOBBY (HOU) AIRPORT

SERVICES

- ARCHITECTURAL 3D MODEL
- MECHANICAL 3D MODEL
- ELECTRICAL 3D MODEL



OUR TEAM'S WORKS

SCOPE

LOD 350
CONSTRUCTION DRAWINGS/
AND CO-ORDINATED MODEL FOR
LEANDER ELEMENTARY SCHOOL

SERVICES

- MEP CONSTRUCTION DRAWINGS
- COORDINATION MODEL
- COORDINATION REPORTS

