TINTTECH INDIA
SOLAR AND IRRIGATION
WHERE ENERGY MEETS AGRICULTURE

Empowering Farms. Energizing Futures

SUSTAINABLE SOLAR AND IRRIGATION TECHNOLOGIES

CORPORATE BROCHURE

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www.tinttechgroup.com

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ABOUT TINTTECH GROUP

Tinttech Group is an innovative engineering company committed to delivering sustainable, technology-driven solutions in two critical sectors: Solar Energy and Modern Irrigation. Guided by a mission to promote sustainable development and empower communities, Tinttech offers high-quality, cost-effective products and services that meet India's evolving energy and agricultural needs.
With a focus on innovation, efficiency, and environmental responsibility, Tinttech integrates cutting-edge technologies with real-world applications to create smarter, greener solutions. Our team of experienced professionals ensures seamless execution—from design and engineering to installation and maintenance—ensuring long-term value for our clients.

OUR VISION

To lead the transformation toward a sustainable future by powering communities with clean solar energy and revolutionizing agriculture through intelligent irrigation—creating a world where innovation meets environmental responsibility.

OUR MISSION

- To deliver cutting-edge solar solutions that empower homes, farms, and industries with clean, reliable energy.
- To enhance agricultural efficiency through smart irrigation systems that conserve water and boost productivity.
- To foster inclusive growth by bridging the gap between technology and grassroots development.
- To uphold a commitment to quality, service, and environmental sustainability in everything we do.

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OUR BUSINESS SEGMENT

Solar Project Development & Investment

- Support for solar project planning and execution
- Investment advisory & acquisition of operational assets

Design, Engineering & Liaison

- Rooftop & ground-mounted system design
- Site survey, PVSYST analysis, DPR & BOQ preparation
- Government liaison & approval support

EPC & Installation

- Complete EPC for rooftop, ground-mounted heaters, pumps, and streetlights
- Panel, inverter, AJB/DCDB, battery installation
- Civil work, cabling, and system integration

Irrigation Project Development & Advisory

- End-to-end support for irrigation project planning
- Investment advisory for agri-water infrastructure

Design, Engineering & Liaison

- Customized irrigation system design (drip, sprinkler, surface)
- Site survey, hydraulic calculations, layout planning

EPC & Installation

- Complete EPC for drip, sprinkler, micro-irrigation systems
- Installation of pipelines, valves, filters, and pumps

THE TECHNOLOGY

Types of Installation

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SOLAR ON GRID

SOLAR HYBRID

GROUND MOUNTED

SOLAR STREET LIGHT

DRIP IRRIGATION

SPRINKLER IRRIGATION

AI COTROL IRRIGATION

SOLAR WITH IRRIGATION

IRRIGATION SYSTEM

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DRIP IRRIGATION

Drip irrigation is an efficient and sustainable method of delivering water directly to the roots of plants, minimizing water wastage and maximizing crop yield. It uses a network of valves, pipes, tubing, and emitters to provide a slow and steady supply of water exactly where it's needed.

SPRINKLER IRRIGATION

Sprinkler irrigation is a method of applying water to crops in a manner similar to natural rainfall. Water is distributed through a system of pipes and sprayed into the air through nozzles, allowing it to fall evenly over the field. Suitable for a wide range of crops and soil types, this system helps cover large areas efficiently with minimal labor.

SOLAR ENERGY DRIVEN IRRIGATION SYSTEM

A Solar Energy Driven Irrigation System uses solar power to operate water pumps, making it an eco-friendly and cost-effective solution for agricultural irrigation. It harnesses solar energy through photovoltaic (PV) panels, which generate electricity to run DC or AC pumps that draw water from sources like wells, rivers, or tanks.

AI CONTROLLED IRRIGATION SYSTEM

An AI-Controlled Irrigation System leverages artificial intelligence and real-time data to automate and optimize water usage in agriculture. Using sensors, weather forecasts, and soil moisture data, the system intelligently determines when, where, and how much water is needed—ensuring efficient irrigation with minimal waste.

SOLAR SYSTEM

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On Grid

Connected to the power grid, it supplies solar energy for use and exports surplus electricity for savings.

Off Grid

Independent of the power grid, it uses batteries to store solar energy for use anytime, ensuring power backup.

Hybrid

A solar hybrid system combines solar panels with batteries and a grid. ensuring uninterrupted power.

Inverter

A solar inverter converts the direct current (DC) generated by solar panels into alternating current (AC).

Li-on Battery

A Lithium-ion (Li-ion) battery is a high-efficiency energy storage solution known for its long lifespan, fast charging.

Solar Cell

A solar cell, also known as a photovoltaic (PV) cell, is a semiconductor device that converts sunlight directly into electricity.

Solar Power

Solar power is clean, renewable energy generated by converting sunlight into electricity using photovoltaic cells. It is sustainable, eco-friendly.

ONE STOP SOLUTION

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Our Action Plan Workflow

SURVEY → DESIGN → PROCUREMENT

Our Products

PUMP

PIPE

DRIP

SPRINKLER

SOLAR PANEL

ON/OFF GRID METER

SOLAR HYBRID

SOLAR PUMP

Our Core Values

INSTALLATION SUPPORT

PRODUCT TRAINING

HAND HOLD

HAPPY CUSTOMERS

Who we are

Tinttech India is a technology-driven company committed to delivering smart, sustainable, and scalable solutions in the fields of solar energy, irrigation, and plantation management. Our mission is to drive efficiency, reduce environmental impact, and empower communities through innovative infrastructure that supports India's growing agricultural and energy demands.

We specialize in the design, engineering, and implementation of high-efficiency solar power systems, ranging from on-grid and off-grid installations to hybrid and solar-powered irrigation solutions. Our solar systems are built for reliability and performance, enabling residential, commercial, and agricultural users to reduce dependency on conventional energy sources while embracing clean, renewable power.

Contact us

For more information about our programs

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Need to get in touch with us? Scan the QR Code beside to connect to our sales or service team directly

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