



# Energy - Power - Systems - Technologies



Wind Power Projects & Engineering



Solar Power Systems



Clean Energy and Power Systems



Communication Systems



T: 416-289-1911  
: 416-214-3744  
F: 416-289-6473  
[www.isdntechnologies.ca](http://www.isdntechnologies.ca)  
[sales@isdntechnologies.ca](mailto:sales@isdntechnologies.ca)

## Conventional Power

- We offer following Products & Services
- Co-Generation/ Distributed Generation System Design and Deployment
  - District Energy System Electrical
  - Transmission/Distribution Planning
  - Power Engineering Consulting
  - System Modeling



## Utility Automation & Smart Systems

We design, install, maintain and support complete IT infrastructure for Utilities, Energy and Power companies for automation. Our services include:

- Work Flow Optimization
- Mobile & Wireless Infrastructure
- Asset and Inventory Management
- Field Services Support Systems for outage and emergency management



## Application Deployment Services

- Web Based Energy Management Systems
- Business Intelligence, Management Supply Chain and Financial Software
- Open Source Software & CRM Systems
- ERP Systems, Accounting Management Suites
- Graphics, CAD/CAM, & Database



## Wind Energy

- Wind Resource Assessment Studies
- Wind Modeling & Yield Report
- Balance of Plant (Preliminary) Engineering
- Financial Modeling for Wind Project Financing
- Geo-Technical Investigation
- Environmental, Transportation & Interconnection Studies
- PPA, Interconnection, O&M and Turbine Supply Agreements
- Detailed Engineering and Construction Ready Design
- Construction Management Services



## Energy Management Systems & Green Data Centres

- We will design your redundant and reliable power system and complete solutions for:
- Energy Management & Backup Power Systems
  - Remote Power Management & Renewable Power Generation,
  - Power System Design for Data and Voice Centres
  - Environmental Control



## Energy & Environment

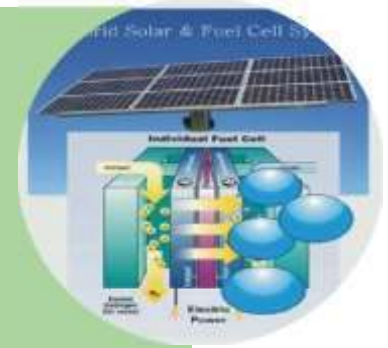
We provide following solutions as our contribution to a cleaner planet:

- Demand Response Technologies and Services
- Smart Metering Infrastructure
- CO2 Reduction Mechanism
- Smart and Greener Buildings
- MyGennix Energy Measurement and Management Application Suite
- CDM Services



## Hybrid Systems (Fuel Cells, Solar, Wind, Hydrogen, Biomass & Ethanol)

- Hybrid Solar Fuel Cell Systems
- PV Balance of Plant Equipment
- Building Integrated Photovoltaic (BIPV)
- Solar Systems for Home Builders
- Alternative Fuels & Biomass Geothermal Systems
- On Site Hydrogen Systems
- Fuel Cells Stationary Power Generation
- Fuel Cells For Transportation Sectors
- Hybrid Systems For Universities and Academic Research



## Leasing & Project Financing

We can arrange leasing or financing for your next technology purchase or upgrade project, using our network of vendors, equipment leasing and financing companies. Please feel free to ask about our services in this sector.



## System Engineering

- Balance of Plant (BOP) Engineering
- Conceptual Design and Pre-feasibility
- Electrical Design of Generators, Transmission and Distribution
- Electrical Design of Industrial, Commercial and Residential Complexes
- 3D Visualization and Rendering Services
- Submarine Cable Engineering



## Solar Energy

- Solar Power Systems (PV, Solar Heating and CSP)
- PV Systems for Residential Sector & Remote Communities
- Grid Connected Solar Parks
- Flexible Solar System
- Inverter
- Batteries
- Solar Systems for Remote Communities (off Grid)
- Turnkey Solar Panel Manufacturing System



## Telecom & Networking Teleprotection & SCADA

- Transport Network: SDH/SONET/T1/E1, Ethernet, Migration to IP
- Teleprotection, SCADA & AMR
- Voice PBX, 4 wire E&M & Analog Trunked Radio
- Wired & Wireless Connectivity for Tele-protection
- Enterprise Security Systems & Intrusion Detection



## GIS & Mapping Services

We provide GIS services for Municipalities, Energy Companies and Utilities:

- GPS Antennas, Server, Software & Database Systems
- Mobile Asset Management
- Mapping Services for Wind and Solar Park
- Transmission Line Surveys & Mapping



## Low Voltage Engineering & Infrastructure Security

- CCTV and Access Control for power plant
- Paging, Bar Code, RFID & Inventory
- IP Surveillance, Intrusion Detection
- Power Plant Building Automation Systems
- ID Card and Biometric Systems



## Power System Procurement Services (RFP, RFI & RFO)

Our Engineering and Commercial Managers assist global clients to procure capital intensive equipment using our structured RFP process and life cycle cost analysis that helps to save millions in project costs.

- Distribution and Transformer Stations
- Overhead Conductor, Power, Control and Communication Cables
- Transmission Tower Equipment and Line Hardware
- Protection Equipment (CTs, PTs, Relays, CBs, Switchgear)
- Detailed Specifications and Procurement
- Witness Testing and Inspection Services
- Installation and Commissioning Supervision



## Project Management Business Re-Engineering & Consulting

We provide many core engineering and project management services to energy and power sector including:

- Project Management Infrastructure Design and Deployment
- Business Planning, Risk Analysis, & Agile Project Management
- Enterprise Project Management, Project Evaluation and Project Audits
- Consulting, Training and Implementation
- System Design, & System Integration

