






*Towards Greening the Globe*

 No 18, Golden Gate 2, Andagala Mount Estate, Wellawa Road, Kurunegala, Sri Lanka

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## **BRIEF ORGANIZATIONAL PROFILE**

Industrial Solutions Lanka (Pvt.) Ltd. (ISL) is a consultancy firm, providing advices on all aspects of environmental, energy, sustainability, climate change, and business risk issues.

Our energy and environmental consultants offer variety of expertise. We take a collaborative approach with our clients. We look beyond simply mitigating risk to understand the business objectives of our clients and create solutions that deliver competitive edge and commercial opportunities.

We are consultants who are not afraid to challenge and innovate. You will find our culture is one of pride, passion, support and integrity, and we hope you will find us as a great business partner to work with.

The truly indigenous framework and the proactive attitude of consultants, ISL provides services covering following areas.

- Renewable Energy
- Green Energy Solutions
- Total Environmental Solution
- Managing Water
- Civil Engineering and Consultancy
- Electrical and Electronic Engineering and Consultancy

We are a proactive and dynamic company. We have opinions and we try to shape the market. We pride ourselves on being good to work with and for. We work hard but have fun along the way. We value being approachable, friendly, open and honest. We are innovators but we are also commercially minded and pragmatic. Hopefully we are describing a company you like.

## **ORGANIZATIONAL SETUP**

Industrial Solutions Lanka (Pvt.) Ltd. (ISL) is a parent organization and it is a private limited liability company - for profit.

ISL Socio Economic Environmental Integration (ISL SEEI) is an affiliated organization of ISL and it is a non-government organization - not for profit. All activities related to environment and social development is handled by ISL SEEI.



## Our Vision

We are aiming to be the best in our market space in respect of;

- Being renowned for our common sense and practical approach.
  - Having a great reputation with clients.
  - Being a great place to work.
  - Being profitable to deliver shareholder value.
- Introducing new innovations and offering one company to approach for all of their sustainability and climate change issues.
- Continue our commitment to health and safety and the protection of our people.
- Continue to manage our impact on the world through a sustainability strategy that is appropriate to our business model.



## Our Mission

We;

- Passionately in team work and collaboration.
- In being approachable, friendly, open and honest.
- Have an inclusive culture and value passion and performance
  - Are a flexible bunch of people



## Our Corporate Goals

We work with our clients on their sustainability, environmental and energy issues.  
We manage their risks, reduce their costs and create commercial opportunities and competitive strength for them.

## Our Core Values

Trust, Support and Sharing Pride and Passion, Innovation Sustainability

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## **OUR SERVICES**

### **Electrical Engineering Consultancy**

- ✓ Solar Energy
  - Installation of Solar Net Metering, Net Accounting and Net Plus Systems Specifying Domestic and Industrial Category.
- ✓ Electrical Inspection and Testing
  - Electrical Inspections and Tests in Safety aspects.
  - Thermal Imaging for safety aspects.
  - Installation of Capacitor Banks regarding Power saving aspects.

### **Energy Management and Conservation**

- ✓ Energy Development
  - Energy Audits
  - Introduction of New Technology for higher energy efficiencies
  - Feasibility studies for new technologies and energy related projects
  - Installation of Steam Distribution Systems
  - Installation of new Boilers (Diesel, Furnace oil and Biomass)
  - Boiler Conversion (Diesel to Biomass, Furnace oil to Biomass)
  - Boiler maintenance and efficiency improvements
  - Boiler water treatment
  - Technical Evaluations
  - Machinery and Equipment Valuation
- ✓ Alternative Energy
  - Solar Energy
  - Development of Mini and Micro Hydro Power Plants
  - Development of Large Wind Power Plants
  - Development of Dendro Power Plants
  - Introduction of Alternative Energy Solutions
  - Wind-Solar Hybrid System for Telecommunication towers and rural electrification

### **Water and Wastewater Management**

- ✓ Industrial Wastewater Treatment Plant Design, Commissioning, Testing and Management
- ✓ Solid Waste Management
- ✓ Solid Waste Processing
- ✓ Air Pollution Controlling System Design and Implementation
- ✓ Noise Pollution Controlling system Design & Implementation
- ✓ Water Demand and Efficiency calculations
  - Water Auditing
- ✓ Process Water Treatment
  - Design and Implementation of Raw/Process water treatment plants (Physical and Chemical)
- ✓ End of Pipe Treatment
  - Design and Consultancy on Wastewater Treatment Plants (Physical/Chemical and Biological)

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## OUR SETUP

### Managerial Staff



Eng Ananda Hettiarachchy  
Chairman  
ISL Board of Management



Eng Gamini Senanayake  
Director/Member  
ISL Board of Management



Eng Anura Vidanagamage  
Managing Director  
Member of the Board of Management/Secretary to the Board



Eng Rushantha Chandrabose  
Director - Technical



Eng Priyan Suriyarachchi  
Director - Environmental Engineering



Saliya Patrick  
Director - Finance & Administration  
Member pf the Board of Management



Eng Chathura Ganemulla  
Manager - Energy Solutions and Utilities



Kushan Udara  
Manager - Sustainability

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## **Professional Staff**

1. Eng Saman Herath – Civil Engineer
2. Eng Pradeep Susantha Gamage – Senior MEP Consultant
3. Eng Asanka Adhikari – Senior MEP Engineer
4. Eng Akalanka Rathnayaka – Consultant (Environmental Engineering)
5. Eng Anupama Bandara – Chemical and Process Engineer
6. Eng Kasun Hettiarachchi – Electrical Engineer
7. Eng Dulaj Dhananjaya – Electrical Engineer
8. Eng Pubudu Herath – Chemical and Process Engineer
9. Mr. Diwanka Niroshana – Assistant Electrical Engineer
10. Mr. Supun Wishwajith – Assistant Electrical Engineer
11. Ms Maheesha Wickramasinghe – Chemist
12. Ms. Yathindra Subhashini – Laboratory Assistant
13. Mr. Jayanatha Herath – Assistant Engineer
14. Mr Achintha Buddhika – Assistant Engineer
15. Mr Benuka Wimalarathne – Assistant Engineer
16. Mr Buddhika Thilan – Assistant Civil Engineer
17. Mr. Diluka Jayarathna – Engineering Assistant
18. Mr. Sumeera Wickramasinghe – Engineering Assistant
19. Ms Anjana Thilakarathne – Project Management Officer

## **Foreign Partner**



### **MANU JANS**

+32 473 89 90 11

manu@greenpulse.eu

Ampla House, Coupure Rechts 88  
9000 Ghent, Belgium

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## **OUR EXPERIENCE**

### ***Renewable Energy Sector;***

#### **1. Construction and Commissioning of 12.4 MWp Solar Power Plant**

ISL carried out 1<sup>st</sup> ever commercial, ground mounted solar power plant in Sooriyawewa, Hambanthota. The role of ISL was as follows;

- Site selection & getting approval from relevant authorities
- Preparation of feasibility reports both technical and financial
- Design, drawing, and BOQ preparation for all civil works
- Assisting EPC contractor for electrical design
- Construction management
- Licensing with CEB for grid connection
- Assisting for testing and commissioning

Some of the technical details are follows;

- Capacity : 12,400 kWp
- Solar panel : SOLON – 250 kWp
- Transformer capacity : 2,000 kVA (5 Numbers)
- Inverter : ABB – 500 kW (20 Numbers)
- Control room : medium voltage – 33 kV
- Annual generation : 19.6 GWh



*Picture 1: Pictures of 12.4 MW Solar Power Plant in Sooriyawewa*

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## 2. Kabithigollewa 10 MW Solar Power Plant

- Site selection & getting approval from relevant authorities
- Preparation of feasibility reports both technical and financial
- Earth Road Constructions
- Execution of Civil Works
- Structure Fixing & Electrical works

The details are as follows;

- Capacity : 12.5 MWp
- Inverters : Huawei 300kW (34Nos)
- Solar panel : Astoenergy 580W
- Transformer capacity : 5 MW
- Annual generation (estimated) : 23 GWh



*Picture 2: Pictures of 10 MW Solar Power Plant in Kebithigollewa*



### 3. Construction of 1MW plant roof top plant at United Tobacco Processing Company Export Processing Zone Katunayake

The details are as follows;

- Capacity : 1000 kWp
- Inverters : SMA 110 kW core 2 (8 Numbers)
- Solar panel : Yingli – 540 kWp
- Transformer capacity : 1000 kVA
- Annual generation (estimated) : 1,456,000 kWh



*Picture 3: Pictures of 1000 kW Solar Roof Top Power Plant at Katunayake*

#### 4. Construction and Commissioning of 550 kW Roof Top Solar Power Plant in Embilipitiya for M/s Embilipitiya Tools Makers (Pvt) Ltd

- Capacity : 550 kWp
- Inverters : SMA 50 kW (10 Numbers)
- Solar panel : JA Solar – 400 kWp
- Transformer capacity : 600 kVA
- Annual generation : 900,900 kWh



Picture 4: Pictures of 550 kW Solar Roof Top Power Plant in Embilipitiya

#### 5. Construction of 500kWp roof top solar plant at United Tobacco Processing Company Export Processing Zone, Mawathagama

- Capacity : 500 kWp
- Inverters : SMA 110 kW (4 Numbers)
- Solar panel : Yingli solar 550W
- Transformer capacity : 1000 kVA



Picture 5: Pictures of 500 kW Solar Roof Top Power Plant in UTP, Mawathagama

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## 6. ISL experience on other renewable energy power plants

### 6.1 12MW Wind Power Plant in Kalpitiya

ISL contributed for supply and installation of 2<sup>nd</sup> Commercial Wind Power Plant in Kalpitiya, by the name of M/s Daily Life Renewable Energy (Pvt) Ltd, with M/s Akbar Brothers and M/s Hydramani Group.



Picture 6: Pictures of 12 MW Wind Power Plant in Kalpitiya

### 6.2 2 MW Mini Hydro Plant in Aranayake



Figure 7: Pictures of 2MW Mini Hydro Plant in Aranayaka

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### 6.3 2 MW Mini Hydro Power Plant in Walapane



*Figure 8: Pictures of 2MW Mini Hydro Plant in Walapane*

## CLIENTS LIST OF SMALL-SCALE SOLAR POWER INSTALLATION

No.	Client Name	Capacity	Product Details		Application	Contact Details	Remarks
			Panel	Inverter			
1.	M/s Pharma Associates 116 Layard Broadway Colombo 14	50 kW	Norway Singapore	Sweden	Commercial	077 775 93 00	
2.	M/s Osuki Ayurvedic Hospital Rajagiriya	10 kW	German	German	Commercial	0112 79 23 94	
3.	M/s Nightingale Nursing Care Center No. 430/9 Minuwangoda Road Bolawalana Negombo	7 kW & 4 kW	German India	German	Commercial	0777 70 38 08	
4.	Mr. L. P. H. W. Karunathilake 1,272/5, Rajamalwatta Road Battaramulla	5 kW	German	German	Domestic	0112 79 23 94	
5.	Mr. Pradeep Gamlath Kepumgoda Pamunugama	5 kW	German India	German	Domestic	077 816 69 50	
6.	Mr. Mahinda Welagedara Milanka Enterprise Kurunegala	5 kW	German India	German	Commercial	077 342 88 15	
7.	Mr. S. A. P. De Silva 432 B Dandugamthotupola Ja-Ela	4 kW	German	German	Domestic		
8.	Ms. R. M. C. S. Ranaweera No. 325/12/50 Kurulu Uyana Palanwatte Pannipitiya	3 kW	German	German	Domestic	071 803 26 09	
09.	Captain S. Jayakody Uyandana Mallawapitiya Kurunegala	3 kW	German	German	Domestic	071 805 61 53	
10.	Mr. Gamini Senanayake "Senanayake Vila" Malkaduwwa Negombo Road Kurunegala	3 kW	German	German	Domestic	0777 80 45 45	Requested expansion due to Electric Car
11.	Mr. Gamini Senanayake Mahawa	3 kW	German	German	Domestic	0777 80 45 45	
12.	Mr. Lalith Ekanayake High Court Judge Ulapane Gampola	3 kW	German	German	Domestic	077 265 99 42	

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No.	Client Name	Capacity	Product Details		Application	Contact Details	Remarks
13.	Ms. K. V. Navarathne Koshinna Lewla Ketawala	3 kW	German India	German	Domestic	081 240 67 85	Net metering unit with 200 Ahr battery backup for standby power supply
14.	Mr. S. Sirisena Anuradhapura	3 kW	German India	German	Domestic	077 302 87 51	
15.	Mr. D. M. Dissanayake Thambuttegama Rajanganaya	2 kW	German India	German	Domestic	0777 79 99 29	
16.	Mr. Pradeep Manage	4 kW	German	Austria	Domestic	071 428 64 24	
17.	Dr. KDE Sumanasiri Millennium City Ja-Ela	4 kW	German	Austria	Domestic	077 611 67 97	
18.	Mr. Nalaka Wijekoon Polaththapitiya Kurunegala	5 kW	German	Austria	Domestic	071 356 72 61	
19.	George Shokman Kosinna Ketawala Lewla	3 kW	German	German	Domestic	081 240 40 63	
20.	Ms. Sandya Wijerathne Thennekumbura Kandy	3 kW	German	German	Domestic	0777304395	
21.	Ms.Sawithri No 109/8 Railway Lane Maharagama	4 kW	German	Austria	Domestic	077 763 60 77	
22.	Mr. Livera, United Tobacco Processing Pvt Ltd EPZ Katunayake	1004kW	China	China	Commercial	077 395 1949	Net metering
23	Mrs. Dileepa Manawadu Hatton road Kotagala	10 kW	China	China	Domestic	076 747 3956	
24	Mr. Zainudeen	20 kW	China	China	Commercial	077 387 5121	Net Plus Plus
25	Mr. Mahinda	20 kW	China	China	Commercial		Net Accounting

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## **Energy Management and Conservation Sector**

- Supply and installation of 6 Ton biomass operated steam boiler at MAS Fabrick Park, Thulhiriya
- Supply and installation of 6 Ton biomass operated steam boiler at MAS Linea Intimo, Biyagama
- Supply and installation of 4 million kcal/hr thermic fluid heater at South Asia Textile Industries Lanka Industries, Pugoda
- Supply and installation of 5 Ton biomass operated steam boiler at Serandib Agri Business, Walpita
- Introducing bio mass operated 6 ton fluidized bed boiler at Ocean Lanka (Pvt.) Ltd. (Pending)
- Supply & installation of a biomass thermic fluid heater at Noyon Lanka (Pvt.) Ltd. (Pending)
- Introducing of wood chip dryer for steam boiler at Ancell Thailand (Pending)
- Installation of radiators, dryers, withering troughs and all boiler maintenance activities in Bogawantalawa Plantations
- Installation of radiators, dryers, withering troughs and all boiler maintenance activities Elpitiya Plantations
- Installation of radiators, dryers, withering troughs and all boiler maintenance activities in Watawala Plantations
- Installation of radiators, dryers, withering troughs and all boiler maintenance activities in Maskeliya Plantations
- Fabricating and commissioning of steam and condensate line at MAS Metrix, Thulhiriya
- Fabricating and commissioning of steam and condensate line at Ranaviru Apparels, Alawwa