



CLIENT	OWNER	DESCRIPTION	PROJECT LOCATION	SCOPE	YEAR
Thermodynamik Studies, LLC, Washington, USA	Unknown	Concept Engineering Support for Hydrogen Fuel Cell Power Generation	USA	Preparation of process flow and process instrumentation and control diagram for the hydrogen compression, storage and handling system	August 2010
ILF Consulting Engineers, Abu Dhabi, UAE	SEC, Saudi Arabia (EPC contractor SSEM)	Process design for 4 Simple Cycle Gas Turbine Power Plant fired on crude oil.	Saudi Arabia	<ul style="list-style-type: none"> • Preparation of PFDs • Preparation of PIDs • Equipment Sizing calculation • Pipe sizing and pressure drop calculation • Package specification preparation for mechanical equipment • Providing process inputs for detailed engineering • Preparation of operation and control philosophies 	March 2011 to June 2012
ILF Consulting Engineers, Abu Dhabi, UAE	SEC, Saudi Arabia (EPC contractor SSEM)	Mechanical detailed design for 4 Simple Cycle Gas Turbine Power Plant fired on crude oil.	Saudi Arabia	<ul style="list-style-type: none"> • Preparation of mechanical equipment layout drawings • Preparation of equipment layout for the fuel oil unloading station (tanker unloading station) • Preparation of piping layout and isometrics for the fuel oil unloading station • Preparation of crude oil tank farm and light diesel oil tank farm layouts and general arrangement drawings 	May 2011 to November 2012



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				<ul style="list-style-type: none"> • Preparation of piping layout and isometrics for the tank farm area • Preparation of equipment layout for the fuel treatment and forwarding system • Preparation of mechanical piping layouts and isometrics for the fuel forwarding system • Preparation of equipment and piping layout for the Gas Turbine area and its auxiliaries • Preparation of line list/valve list and bill of material • Coordination with other disciplines for inputs and completion of the mechanical design 	
ILF Consulting Engineers, Abu Dhabi, UAE	MAPNA-IRAN	MED Software development	UAE	<ul style="list-style-type: none"> • Development of algorithm for the MED desalination Plant • Development of software codes for the MED desalination Plant • Development of input/output forms and graphical outputs 	January 2012 to January 2013
ILF Consulting Engineers, Abu Dhabi, UAE	SEC, Saudi Arabia (EPC contractor Daelim)	1200MW Shoaiba-II HAZOP study and mechanical design review	Saudi Arabia	<ul style="list-style-type: none"> • Preparation of HAZOP report and nodal work sheets • Design review of mechanical and process documents • Review of operation and control philosophy 	February 2012 to May 2012



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Suez Tractebel, Dubai	GTPP-Taweelah-IWPP- Abu Dhabi	Power and Water complex	UAE	<ul style="list-style-type: none"> Site visit and data collection for desalination plant life assessment study Report preparation on desalination plant ageing and life assessment 	May 2012
Fusion Fabrication Works, Chennai	IKRA Energie, Chennai	Solar panel structure	India	<ul style="list-style-type: none"> Design and preparation of solar structure fabrication drawings, including general arrangement drawing 	September 2012
Suez Tractebel, Dubai	Mirfa –IWPP - Abu Dhabi	Power and Water complex	UAE	<ul style="list-style-type: none"> Site visit and data collection for desalination plant Report preparation/technical optimisation of desalination technologies Review of sponsors functional requirements specification 	November 2012 to December 2012
GPR Power Solutions Chennai	Felgura-Tuticorin	Coal handling plant project	India	<ul style="list-style-type: none"> Technical support for the design of fire protection and fire alarm system 	November 2013
GPR Power Solutions Chennai	BPPL- Hyderabad	Coal fired captive power plant	India	<ul style="list-style-type: none"> Technical support for the design of fire protection and fire alarm system 	January 2014
GPR Power Solutions Chennai	SVCPL- Hyderabad	Coal fired captive power plant	India	<ul style="list-style-type: none"> Technical support for the water pump house layout Preparation of the piping layout for the pump house Review of piping drawings for the power and cement plant 	January 2014



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Fusion Fabrication Works	Sterling and Wilson	Solar lighting system	Chennai	Design, preparation of general arrangement and fabrication drawing for the Solar Lighting System	January 2014
Fusion Fabrication Works Chennai	AVIS Enertech Pvt Ltd, Chennai	Solar lighting system	Chennai	Design, preparation of general arrangement and fabrication drawing for the Solar Lighting System	June 2014
AVIS Enertech Pvt Ltd, Chennai	Various	Inspection Services	India	Inspection at BDK valves HUBLI Valves testing and expediting	June 2014
AVIS Enertech Pvt Ltd, Chennai	Various	Inspection Services	India	Inspection at Charam Techno Chemical and Equipments Private Limited, Salem- Inspection of compressor	June 2014
AVIS Enertech Pvt Ltd, Chennai	Various	Inspection Services	India	Inspection of process vessels at Hyderabad	July 2014
AVIS Enertech Pvt Ltd, Chennai	PGI Control Valves	Inspection Services	India	Inspection of valves at Dresser Valves India Pvt Ltd, Coimbatore	July 2014
ILF Consulting Engineers, Abu Dhabi, UAE	Asia Water Development Engineering Company, Tehran, Iran	1000MW-1500MW CCGT Feasibility Study	Iran	Preparation of feasibility report for 1000MW-1500MWCCGT power plant associated with Desalination Plant	August 2014
Parsons Brinckerhoff-Abu Dhabi	Confidential	550MW to 600MW CCGT feasibility	UAE	Preparation of feasibility study for CCGT for captive power generation	August 2014



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AVIS Enertech Pvt Ltd, Chennai	Confidential	Structural design services	UAE	Preparation of structural and fabrication drawings for supporting a 40 feet container.	August 2014
AVIS Enertech Pvt Ltd, Chennai	Various	Inspection Services	India	Inspection of process vessels at Hyderabad, India Inspection of compressor package at Salem, India	August 2014
Graham JonsAlewan	Mazdar- UAE	Auxiliary facilities for Desalination Plants in Ghantoot, Abu Dhabi	UAE	Preparation of pressure drop calculations for seawater, hot water, brine discharge and potable water piping system Preparation of heat loss calculation for hot water system Stress analysis for seawater piping system Preparation of specification for electro chlorination plant	September 2014
Voltech Infrastructure Private Limited, Chennai	VA Tech Wabag Limited	Stress and surge analysis	India	Perform of stress and surge analysis for the cooling and auxiliary cooling water system for 600MW Rayalaseema TPP stage-IV	October 2014
ILF Consulting Engineers, Abu Dhabi, UAE	Frimex Gulf Co Llc, Dubai	Cost estimation	UAE	Preparation of cost estimation report for 60MW coal fired power plant being planned at Mocha City, Taiz , Yemen	October 2014
Parsons Brinckerhoff-Abu Dhabi	Confidential	550MW to 600MW CCGT and 8 MIGD SWRO	UAE	Preparation of tender specification for CCGT for captive power generation and SWRO plant including tender evaluation and bid finalization support.	October 2014



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Parsons Brinckerhoff-India	MEPL-GDF Suez	Performance guarantee test	Andhra Pradesh India	Witness of performance guarantee test for 2x150MW coal fired CFBC boiler based thermal power plant at Nellore, Andhra Pradesh, including independent calculation validation.	December 2014
Parsons Brinckerhoff-UAE	Confidential client	Hydro power plant commissioning assistance	Confidential project	Provide commissioning support for 2X50MW hydro power plant	January 2015
Fusion Fabrication Works	Sterling and Wilson	Solar lighting system	Chennai	Design, preparation of general arrangement and fabrication drawings for solar lighting system	February 2015
MEPL-GDF Suez	MEPL-GDF Suez	Performance guarantee test	Andhra Pradesh India	Witness of performance guarantee test for 2x150MW coal fired CFBC boiler based thermal power plant at Nellore, Andhra Pradesh, including independent calculation validation.	February 2015 to August 2016
Parsons Brinckerhoff-Singapore	Confidential client, Vietnam	Bill of material estimation	Vietnam	Civil works bill of quantities estimation for 2X660MW coal fired power plant.	February 2015
ILF Consulting Engineers, Abu Dhabi, UAE	MAZDAR-UAE	HAZID study	UAE	Preparation of HAZID report and work sheet for the natural gas supply system for MAZDAR desalination project at Ghantoot UAE	March 2015
Industrial Fans (India) Pvt Ltd	EDAC- Chennai	HVAC system design support	Andhra Pradesh, India	Design support services for the Air conditioning and Ventilation system for 2X350MW , MEPL, Thamminapatnam, Nellore, Andhra Pradesh, Coal Fired Power Plant.	March 2015 to April 2016



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ILF Consulting Engineers, Abu Dhabi, UAE	MAZDAR-UAE	Stress analysis of fuel gas supply line	UAE	Stress analysis of fuel gas supply line (gas supplied by GASCO) feeding MAZDAR pilot desalination plant project at Ghantoot – Abu Dhabi UAE	March 2015
ILF Consulting Engineers, Abu Dhabi, UAE	MAZDAR-UAE	HAZID for fuel gas supply system	UAE	Identification of Hazard, preparation of HAZID report and HAZID sheet for the fuel gas supply line (gas supplied by GASCO) feeding MAZDAR pilot desalination plant project at Ghantoot – Abu Dhabi UAE	April 2015
EDAC- Chennai	EDAC	Site construction supervision support	Andhra Pradesh, India	Provide site supervision support (civil engineer deputation) for cooling tower basin civil construction works for MEPL-2X350MW coal fire plant, Thamminapatnam, Nellore, Andhra Pradesh	March 2015 to June 2016
Parsons Brinckerhoff- Singapore	Confidential client, Vietnam	EPC contract and PPA, SFA finalization for 2X660MW coal fired power plant	Vietnam	Support for review and finalization of EPC contract, power purchase agreement shared facility agreement, SCADA agreement, response to lender/lender's engineer etc.	April 2015 to March 2018
Parsons Brinckerhoff-UAE	Confidential	Review of Feasibility Report for 4 x 660MW Ultra supercritical coal fired power plant	Ayoun Moussa- Egypt	Review of Feasibility Report for Ultra supercritical coal fired power plant related to: <ul style="list-style-type: none"> • Ultra super critical Boiler • Coal handling system • Ash handling system • Lime stone handling system • Gypsum handling system • Coal handling barge sizing 	May 2015- June 2015



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				<ul style="list-style-type: none"> Instrumentation and controls Plant DCS system 	
Fusion Fabrication Works	Winsolar	Solar panel support structure	Chennai	Preparation of fabrication drawings for the solar support structure	June 2015
EDAC- Chennai	EDAC	Expediting of design and manufacture of WTP	Andhra Pradesh, India	Provision of expediting services through deputation of a mechanical engineer to WTP manufacturer Doshi Ion's works on behalf of EDAC to expedite the design and manufacture of WTP for MEPL- 2X350MW coal fire plant, Thamminapatnam, Nellore, Andhra Pradesh	July 2015 to February 2016
ILF Consulting Engineers, Abu Dhabi, UAE	Sembcorp-UAE	Fujairah F1- Heat reclaimer study	Fujairah-UAE	Performing technical assessment and reporting of the waste heat recovery possibility in the existing HRSGs at Fujairah F1- Sembcorp IWPP. The work includes thermal modeling of the existing HRSG to assess the heat recovery potential.	September 2015
ILF Consulting Engineers, Abu Dhabi, UAE	MAZDAR-UAE	Solar collector hot water system	UAE	Detail engineering of the hotwater piping system.	October 2015
EDAC- Chennai	EDAC	Detail design of Intake, CW ACW, Blow down and Outfall piping system for 2x350MW coal fired power plant	MEPL- Andhra Pradesh, India	Provision of detail engineering services including: <ul style="list-style-type: none"> Preparation of P&ID Preparation of pipe sizing and pressure drop calculation Preparation of pipe sizing calculation 	November 2015 to December 2016



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				<ul style="list-style-type: none"> • Preparation of equipment layout • Preparation of piping layout and support drawings • Stress analysis for the piping system • Preparation of surge analysis for the piping system • Preparation of piping specification • Preparation of valve list and line list • Instrumentation and control detail engineering 	
Fusion Fabrication Works	IKRA Energie	Solar panel support structure	Chennai	Design, preparation of GA and fabrication drawings for the solar panel support structure	January 2016
ILF Consulting Engineers, Abu Dhabi, UAE	OSMOREC	Retrofit of OSMOREC energy recovery system in SWRO plant	Saudi Arabia	Performed pressure drop calculation and the hydraulic performance evaluation of the existing high pressure SWRO feed pumping system after the retrofit of the OSMOREC energy recovery device in the existing SWRO plant.	February 2016
CH2M HILL, Abu Dhabi, UAE	MIPCO-MIRFA IWPP	1600MW and 52.2MIGD power and water plant	Abu Dhabi, UAE	Deputed engineer to MIRFA site for the commissioning supervision of SWRO plant of 30MIGD capacity including witness of performance test and reliability run. The person was also involved in review of MSF desalination plant performance test report document, Remineralization plant performance test document. Review of MSF plant tube replacement	February 2016



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				program and witness of eddy current testing was also part of the scope.	
Fusion Fabrication Works	Adiam Solar	Solar panel support structure	Chennai	Design, preparation of general arrangement and fabrication drawings for solar panel support structure.	April 2016
SkipperSeil Limited, Delhi, India	Cross River State Investment Promotion Bureau, Nigeria	Feasibility study for 2X25MW SCGT Power Project	Nigeria	Preparation of feasibility report for the simple cycle power plant including financial modeling. The work involved development of basic process flow diagrams and water balance diagram.	May 2016
Orange Renewable Power Pvt Ltd	Orange Renewable Power Pvt Ltd	Review and revision of specification and preparation of drawings	Delhi	Review and revision of DP yard and 33KV OHL specification for wind power plants. Preparation of drawings for the 33KV OHL transmission lines.	June 2016
EDAC-Chennai	EDAC	Deputation of drafting personal	Andhra Pradesh	Preparing fire protection system equipment and piping layouts for MEPL-phase-II 2X350MW power plant.	July 2016
Orange Agar Wind Power Private Limited, India	Orange Agar Wind Power Private Limited	Engineering Services for Kar &Guj Projects	Karnataka/ Gujarat	Review of civil design documents	August 2016
Fusion Fabrication Works	Adiam Solar	Solar panel support structure	Chennai	Design, preparation of general arrangement and fabrication drawings for solar panel support structure.	September 2016
iFAB Industrial LLC, USA	iFAB Industrial LLC, USA	Preparation of fabrication isometrics	Various	Preparation of fabrication isometrics as per iFAB standards based on the general isometrics provided.	September 2016 to October 2016
ILF Consulting Engineers, Abu Dhabi, UAE	DEWA	GRP water piping system design-maximum water	UAE	GRP pipe sizing calculation GRP pressure drop and pump head selection calculation	November 2016



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		flow 30MIGD		GRP pipe thickness calculation Surge analysis	
WSP PB, Abu Dhabi, UAE	Confidential	1500MW and 50MIGD power and water plant	Middle East	Preparation of planning report for the IWPP based on the demand and supply data. Provision of technical inputs to the project risks assessment exercise. Preparation of Minimum Functional Specification for the IWPP tender document and evaluation of bids. Provide technical input to the commercial and legal entities involved in the development.	January 2017 to June 2017
Confidential client, Malaysia	Confidential	30MW Solar PV Project	Malaysia	Preparation of preliminary tariff estimation for 30MW Solar PV project	April 2017
Fusion Fabrication Works	AMSUN Solar	Solar panel support structure	Chennai	Design, preparation of general arrangement and fabrication drawings for the solar support structure.	June 2017
MIPCO- IWPP MIRFA	MIPCO	1600MW and 52.2MIGD power and water plant	Abu Dhabi, UAE	Deputed, personnel to supervise and co-ordinate the desalination plant and remineralization plant tuning as part of desalination plant commissioning	June 2017
Barry-Wehmler International	Not Known	ACAD drawings	Chennai, India	CAD designer deputation for component drawing preparation	July 2017 to October 2017
Kudil Property Developers Pvt Ltd	IOCL	Structural drawings	Devanagonthi and Gulbarga, India	Preparation of general arrangement and fabrication drawings for <ul style="list-style-type: none"> • Calibration tower steel structure • Railway cross over bridge steel 	October 2017 to December 2017



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				structure Preparation of BOQ	
GDF Suez Energy India Pvt Ltd	GDF Suez Energy India Pvt Ltd	Design Review	Tamil Nadu, India	Internal Grid Optimization Study for 250MW Wind Power Plant	November 2017 to December 2017
Thordon Cook Power New Zealand	Confidential	As Built Drawing Preparation	New Zealand	Preparation of As Built Drawing for Geo Thermal Power Plant	February 2018
SWPC-UAE	DEWA	Concept engineering for Solar power-based MED Plant	Dubai	Preparation of equipment, piping layout and electrical cable routing	January 2019
Chalmers-India	Unknown	HAVC design	Middle East	Preparation of typical detail drawings for duct inline items Preparation of 3d views for damper mountings Review of duct drawings and preparation of MTO Technical evaluation of HVAC auxiliary items.	January 2019 to June 2019
ILF-Abu Dhabi-UAE	Saudi-Marafiq	Root Cause Analysis	Saudi Arabia	Assessment and preparation of root cause analysis of MED plant tube failures	February 2019
Thordon Cook Power New Zealand	Confidential	Layout drafting support	Confidential	Preparation of subsea piping layout preparation	February 2019
SWPC-UAE	DEWA	Equipment GA drafting support	Dubai	Preparation of equipment GA for MED (desalination) 2 MIGD Unit, including the following piping for the unit: <ul style="list-style-type: none"> • Steam • Condensate 	April 2019 to May 2019



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				<ul style="list-style-type: none"> • Seawater • Brine • Distillate • Drain • Chemical dosing The work also included preparation of overall layout for the MED unit	
SWPC-UAE	Confidential	Data Provision	Abu Dhabi	Data Provision of data for intake tunneling projects world wide for desalination plants.	July 2019
SWPC-UAE	AL-DUR- IWPP	Third Party verification	Bahrain	As third-party review agency supported SWPC in the review of 100MIGD SWRO Plant instrumentation and control systems.	September 2019
WSP-UK	Confidential	LCI FAT	Confidential	Load Commutated Inverter FAT	September 2019
SWPC-UAE	DUKUM-Refinery	Desalinated water feed to refinery	Oman	Conducting surge analysis on the desalinated water supply to refinery from the water production plant	October 2019
WSP-UK	Confidential	Generator FAT	Confidential	Witness of Triveni Steam Turbine Generator FAT	October 2019
Thordon Cook Power New Zealand	Confidential	Drawings update support	Confidential	Schematics, layout and piping assembly drawings for various oil and gas/power project	January 2020 to March 2020
WSP-UK	Confidential	Control system FAT	Confidential	Witness of FAT of GE 9FA.03 Gas Turbine control systems	January 2020
ILF- Abu Dhabi	Confidential	Piping stress analysis and miscellaneous	Oman	The scope involved stress analysis of the following pipes of DAF of SWRO plant: <ul style="list-style-type: none"> • Seawater circulation system 	February 2020 to August 2020



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		design checks		<ul style="list-style-type: none"> Compressed air system White water distribution header Pressurization vessel design calculation Pressurization vessel foundation design	
WSP-UK	Confidential	Pre-shipment inspection	Confidential	Pre-shipment inspection of Triveni Turbine and Generator	March 2020 to April 2020
Thordon Cook Power New Zealand	Confidential	Drawings update support	Confidential	Schematics, layout and assembly drawings for various oil and gas/power project	January 2021 to February 2021
WSP PB, Singapore	Confidential client, Vietnam	2X660MW coal fired power plant	Vietnam	Design Review and Support.	April 2018 (in progress)
FICN THER Consulting Engineers- Chennai	NALCO	Detailed Project Report for 4x350 MW Captive Power Plant	Odisha, India	Review of Detailed Project Report	June 2022