

General – Who We Are	1
Top Management	3
Milestones	5
Group Structure	7
Market Presence & Major Clients	9
Highlights	13
Financial Data	28
Strategic Paths for Future Evolution	31
Group Contacts	33



Who we are

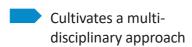
LUDAN GROUP is proud to be a most diverse provider of integrated solutions for Industrial Development, Plant Optimization, Environmental Issues, and Industry-Specific Implementation Knowledge.

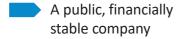
LUDAN GROUP is a unique blend of companies in the fields of Engineering, Software, Process Control, Environment, Energy and more, located in Israel, western Europe (Holland, Belgium), Eastern Europe (Romania, Bulgaria).

Ludan: Stable, Dynamic & Innovative



Stable





Highly diversified market activity



Dynamic

Invests in continuous growth

Responds quickly to global macro changes and local micro changes

In selected sectors, the company's maintenance portfolio acts as an extension of projects implementation



Innovative

Back office and vehicle fleet management software development for the public transportation market

 Electric bus, management and charging system Payment solutions: EMV





Arnon Aharon CEO - Ludan Group



Avi LieberCEO of Ludan
Tech & CEO of
Symcotech



Marc Steigenga CEO of KH Group



Einat Winograd CFO Ludan Group



Dmitri Militescu CEO of Ludan Engineering SRL & Regional Manager Of Eastern Europe



Yehuda Drucker CEO of Ludan Engineering Israel



Sivan Davit CEO Ludan ATF



Yuval AlonVP Engineering
& Marketing



Oz Midian CEO Ludan Environmental Technologies



Omri HarelVP Business
Development



Stability and Development Milestones

2023 2021 Acquisition of 2016 Establishment Yosha Plumbing 2014 of Ludan ATF **Engineering** Acquisition 2007 (Advanced Development of Smart Acquisition of **Technologies** and Asset additional Facilities) Implementation 2002 Integrity Acquisition of Engineering Ludan's of Electric Fleet Solutions Symcotech 1977 Entities in strategic Charging **Ticketing** Establishment Benelux Management investment in & Electronics of Ludan **Establishment** Symcotech System Environmental of Ludan **Technologies** 1997 **Establishment** 2005 of Ludan Romania Acquisition of **Engineering** 2012 **KH** Engineering Ludan listed on Tel Aviv Stock **Exchange** Equity 2015 investment in **Biogas Plants** 2019 Acquisition of Ardan Control Tech. Establishment 2022 Industrial IT of Ludan Cyber Security Acquisition of Bar Akiva **Electrical Engineering**



Group Structure

GROUP COMPANIES







SW & Control Sector

Engineering Sector

SW & Control

Public
Transportation
& Defense
Industry



Environmental Services

Civil Engineering Services

























Markets / Industries





Civil Projects





Petrochemical and Refining



Pharmaceutics



Public Transportation



Defense Industry



Food



Semiconductors



Agrochemical



Engineering Sector Customers (Partial list)





























































































S/W & Control Customers (Partial List)







































































































Tank farm Upgrade

Client: EVOS

Project Goal: Upgrade the storage facility to support denatured Ethanol

Scope: Basic Engineering, Cost estimations, Detail Engineering

Year of Completion: 2023
Project Value: Confidential

Existing storage tanks shall be prepared to store the supplied Ethanol, including the engineering, purchasing and installation of a new pipe system, equipment, steel structures and electrical installations.



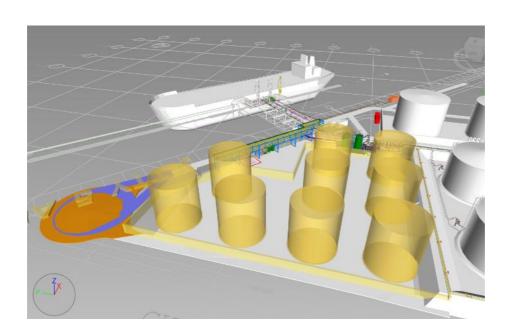
New Storage Facility & Quay

Client: EVOS

Project Goal: Expanding a new tank farm with unloading facilities to quay.

Scope: Conceptual Design Year of Completion: 2025 Project Value: Confidential

Seven storage tanks shall be connected to the existing network. New pumps, pipework, equipment, with loading facilities to new quay including foundation and electrical installations part of the scope.



Above Ground Installation of a Geothermal Facility

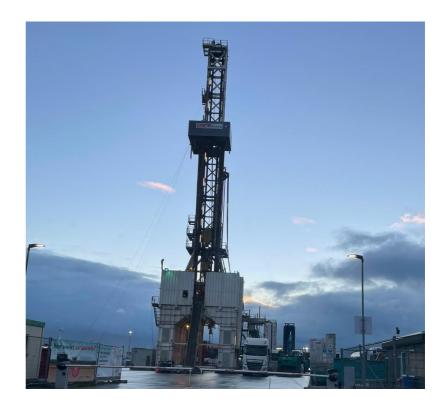
Client: HVC

Project Goal: Using green energy from a geothermal facility **Scope:** Front End Loading (FEL-2) Geothermal Installation

Year of Completion: 2022
Project Value: Confidential

KH Engineering delivered a Front-End Loading (FEL-2) package that will enable HVC to appoint a construction company for the realisation (procurement & construction) of the above-ground installation.

- Engineering disciplines including Process, HSSE, Mechanical, Electrical, Instrumentation, Process Control and Piping
- HAZOP
- Plot lay-out & Equipment sizing
- 3D model for construction
- Technical input subcontracting for the works
- Electrical design (20kV)
- Explosion safety
- Instrumentation including safeguarding, start-up and shutdown protocolling



Alon Tavor, 230 MW Power Plant

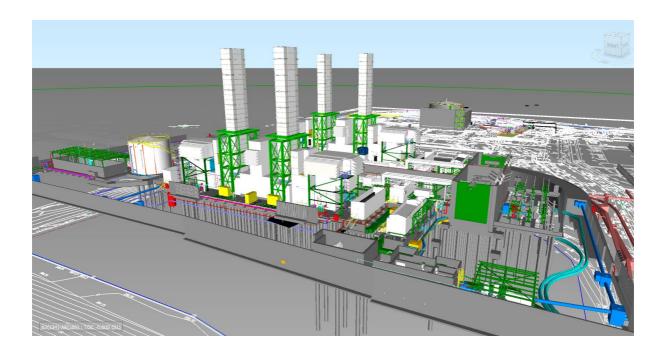
Client: Energy Services LLC

Project Goal: New Expansion of the existing MRC, Alon Tavor power plant. Additional 4 units, open cycle, 230 MW.

Scope: Multidisciplinary detailed Design: Permitting, Process, Piping, Civil Traffic & Roads, Structural, Grounding, UG utilities and duct banks, Fuel gas, Overall design coordination. and instrumentation Year of Completion: 2022

Project Value: Confidential

- MRC Alon Tavor are increasing the production capacity.
- Energy Services LLC (Part of Mitsubishi Power) were selected as EPC contractor.
- Ludan Engineering Israel were awarded to provide the detail design coordination & permitting for the project.
- The plant consists of 4 gas turbines, 2 generators, 2 step up transformers, DI water tank and liquid fuel tank. Tens of miscellaneous equipment units and enclosures. Hundreds of meters of process piping. Site development, roads, retaining walls. Thousands of kilometers of UG duct banks and conduits.
- As part of operational continuity, Ludan provided the design of sheltered structures.



Paz 155 SRU

Client: Paz Ashdod Refinery

Project Goal: New unit that will replace existing old Sulfur Recovery Unit (SRU)

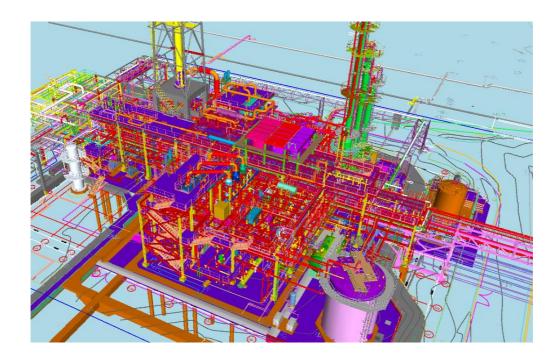
Scope: Multidisciplinary detailed Design: Process, Piping, Mechanical, Civil,

Instrumentation and Control **Year of Completion:** 2023

Project Value: Dozens of millions of NIS

Paz Ashdod Refinery are planning to construct a new SRU unit.

- Wood (Amec Foster Wheeler) were selected to perform Feed design for the unit.
- Ludan Engineering Israel were awarded the FEED review, Detail design and Design management for the project, which includes more than thousand lines and hundreds units of equipment which were manufactured all over the world. Ludan Engineering Romania were involved as well in broad range of activities.



Cold Reversible Rolling Mill & Degreasing including Heat Treatment Line

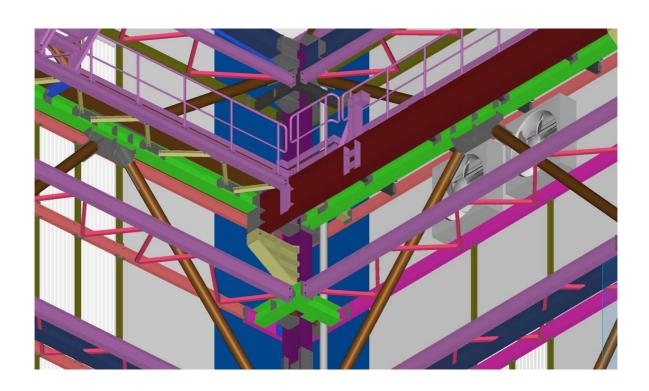
Client: OTELINOX S.A.

Project Goal: New Facilities for Increasing the Production Capacity

Scope: Permitting, Design and Construction Supervision

Year of Completion: 2024 Project Value: 45M CAPEX

Description: The Client intends to increase its production capacity by adding a new line for Rolling Mill and a new Bright Analing Line. Installation of the main equipment imply to adapt the existing buildings and to execute all necessary civil works, including infrastructure, special foundations, pits, steel structures, etc. Beside of the main equipment arrangement, the investment contains other objectives related to utilities.



A New Combined-Cycle Power Plant

Client: AVAX Greece, MASS Group (End Client) **Project Goal:** New Power Plant of 1,750MW

Scope: Permitting , Civil Engineering **Year of Completion:** scheduled for 2026

Project Value: Confidential

Description: The Mintia Combined Cycle Power Plant, 1,750 MW unit, is the biggest CCPP built in Romania in the last 30 years. The unit will run on natural gas and will comprise two SGT5-9000HL gas turbines, one SST5-5000 steam turbine and three SGen5-3000W generators by SIEMENS. The project will be delivered on a turn-key basis in the summer of 2026.



Supply of Validation equipment and advanced peripherals for The Green Line of the TLV Light train

Client: Alstom

Project Goal: Implement Hardware, software & Integration of ticketing

capabilities

Scope: Turnkey

Year of Completion: implementation: 2029, O&M: 20 to 25 years

Project Value: several Dozens millions of NIS

 Alstom Israel serves as the executive contractor of a JV between Alstom, Dan and Electra, which was selected as the concessionaire for the construction and operation of the green light rail line in Tel Aviv.

 Alstom's scope of work includes the ticketing system.



Installation of Security & Cyber Systems in a Governmental facility

Client: Ministry of Finance

Project Goal: Implement Hardware, software & Integration of homeland

security systems at Governmental facility

Scope: Turnkey

Year of Completion: 2023

Project Value: Several millions of NIS

Establishment of security, cyber, communication and computing systems.
 The project contains unique cyber systems for security and communication needs as well as Milestone's control systems



Electric Fleet Management System

Client: Dan Public Transportation electric Bus parking Dipo @ Bnei Brak **Project Goal:** Charging priority according to the operational needs of the next day while facing limited charging capacity & optimizing charging costs.

Scope: Turnkey

Year of Completion: 2023

Project Value: Several millions of NIS

 A first implementation of a Strategic cooperation with the Dan Group and the establishment of a joint company (OPCAR-EV) that develop and implement the Electric Fleet Management System.



Rehabilitation of contaminated land for Real Estate purposes

Client: A real estate company located in a factory formerly occupied by a

pharmaceutical factory

Project Goal: Rehabilitation of contaminated land

Scope: Turnkey

Year of Completion: 2022

Project Value: Several millions of NIS

• Step 1 soil vapor extraction

- Supply and installation of equipment to treat volatile pollution
- Step 2 land survey
- Drilling, analyzes and reports to the relevant authorities
- Step 3 Water treatment
- Supply and installation of a groundwater purification system



Plumbing design for One Tower Project

Client: Rogovin - Acro

Project Goal: A luxurious and innovative office tower

Scope: Plumbing & Fire extinguishing Design

Year of Completion: 2023

 The ONE TOWER of the companies Rogovin and Acro Group won the award of excellence on behalf of the International Organization for High-rise and Urban Construction (CTBUH)

 The tower rises to a height of 160 meters over 35 floors, and contains approximately 50,000 square meters of offices (over 5 parking basements)

• In a unique space tower, the Wellness Zone is advanced and fully equipped, offering employees a wide range of sports and rest options: dedicated exercise rooms, leisure and game corners, treatment and rest areas, and a locker room and shower area with lockers



Electrical design for Vitania Tel Aviv Phase B

Client: Vitania Ltd.

Project Goal: Vitania Tel Aviv, Phase B

Scope: Detailed Electrical Design

Year of Completion: 2025

Project Value: 95,000,000 NIS

- Vitania, in cooperation with Delek Motors, is constructing phase B of its leading project in Tel Aviv.
- The project includes two 42-story towers with a total area of 100,000 sq m on top of an 8-floor underground parking lot containing 1,350 parking spaces.
- The Eastern Tower, with an area of 60,000 sq will serve upon completion as Bank Hapoalim's headquarters.
- The Western Tower is a mixed-used building consisting of a commercial ground floor topped by offices, and 130 residential units in the top 22 floors with a total area of 48,000 sq m.
- Alongside the tower, two rhythmic gymnastics sports halls will be constructed, as a
 public service for the Tel Aviv Municipality.





2023 - Financial Data

Consolidated Balance Sheet

(in '1.000 NIS)

	% of the balance	31.12.22	% of the balance	31.12.23
Cash and cash equivalents	12%	45,716	8%	36,461
customers and revenue to receive	46%	180,174	48%	206,715
Other current assets	11%	44,561	14%	58,833
Total current assets	69%	270,451	70%	302,009
non-current assets	31%	119,121	30%	131,643
Total assets	100%	389,572	100%	433,652
short term credit	4%	17,057	5%	21,955
Suppliers and eligibles	39%	150,753	39%	170,283
other current liabilities	6%	23,306	5%	19,533
Total current liabilities	49%	191,116	49%	211,771
Long term commitments	17%	66,801	18%	79,561
Shareholders' Equity	34%	131,655	33%	142,320
Total liabilities and Shareholders' Equity	100%	389,572	100%	433,652

2023 - Financial Data

Consolidated P&L (in '1.000 NIS)

	2021	2022	2023
Revenues	513,740	575,966	625,485
Gross profit	52,646	67,715	66,808
Gross profit margin	10.2%	11.8%	10.7%
Operating profit (before other income)	26,185	40,926	37,478
Operating profit rate	5.1%	7.1%	6.0%
Net Profit	16,304	28,862	29,335
Net Profit Rate	3.2%	5.0%	4.7%
EBITDA	32,296	47,196	44,635
(*) EBITDA Rate	6.3%	8.2%	7.1%

^{(*) 16} IFRS Effect Neutralized





Strategic Paths for Future Evolution

Software & Control Sector



Defense Industry



Electric fleet management



Clearance

Engineering Sector



Civil structures and infrastructure systems



Group Contacts

LUDAN ENGINEERING International

Israel

Ludan Engineering Israel Co. Ltd.

Head Office:

6 Granit St.

P.O.B. 3584 Petach Tikva

49130, Israel

Tel: +972-3-9182000

Fax: +972-3-9182022

Email: center@ludan.co.il

South Branch

Industrial Park, Building No. 10, Omer, P.O.B 695, Beer Sheva 84105 Israel

Tel: +972-8-6258300

Fax: +972-8-6239028

Email: south@ludan.co.il

North Branch 4

Hatnufa St. High

Tech Park

Yokneam 20692

Tel: +972-4-9599888

Fax: +972-4-9599880

Email: north@ludan.co.il

West Europe

KH Engineering B.V.

Amsterdam Branch KH

Engineering B.V.

Kabelweg 21

1014 BA Amsterdam, The Netherlands

Tel: +31-20-5817200

Email: info@khe.eu

Schiedam Branch

KH Engineering B.V.

Jan van Galenstraat 2

3115 JG Schiedam The Netherlands

Tel: +31-10-2088888

Email: info@khe.eu

Antwerpen Branch

KH Engineering N.V.

Uitbreidingstraat 80

2600 Antwerp, Belgium

Tel: +32 3 2060740

Email: Antwerpen@khe.eu

East Europe

Ludan Engineering SRL

Blv. Tudor Vladimirescu nr 29A, et 1

Bucharest RO-050881

Tel: +40-31-2292020

Fax: +40-31-2292022

Email: office@ludan.ro

LUDANTECH

Ludan Software & Control Systems Ltd.

Yahadut Canada St. 3, P.O.B 677 Or

Yehuda 60256202, Israel

Tel: +972-73-2466222

Fax: +972-73-2466200

Email: mail@ludansy.co.il

Symcotech

Yahadut Canada St. 3, P.O.B 677 Or

Yehuda 6025602, Israel

Tel: +972-73-2466222

Fax: +972-73-2466200

Email: mail@symcotech.co.il

Ardan Control Tech Ltd

Yahadut Canada St. 3, P.O.B 677

Or Yehuda 6025602

Tel: +972-3-6507000

Fax: +972-3-5581311

Email: Info@Ardantech.com

ENVIRONMENTAL AND ENERGY

Ludan Environmental Technologies Ltd.

6 Granit St. P.O.B. 3584

Petach Tikva 49130, Israel

Tel: +972-3-9182000

Fax: +972-3-9182022

Emil: center@ludan.co.il

ECO Tech Environmental Services Ltd

Industrial Park, Building No. 10, Omer

P.O.B 695, Beer Sheva 84105, Israel

Tel: +972-8-6460550

Fax: +972-8-6236080

Email: office@eco-tech.co.il

Ludan MEP

Bar Akiva Engineering Ltd

8 Bar Kochva St.

Bnei Brak 5126103, Israel

Tel: +972-3-6158600

Fax: +972-3-6193997

Email: admin@barakiva.com

A. Yosha Consulting Eng Ltd

Reality Building, 4th Floor, Neve - Ilan

Neve Ilan 9085000, Israel

Tel: +972-74-7870001

Fax: +972-2-5868768

Email: Yosha@yosha.co.il

