

Advanced Industrial Services for the Israeli Industry

Chemical Cleaning



LAOR ENGINEERING LTD.
Upgrading the Maintenance. Together.

Company Profile

Laor Engineering was founded in 1979 and has established itself as one of the leading companies in the field of maintenance of industrial plants and factories in Israel.



Laor Engineering provides solutions in a varied range of industrial areas such as:

- **Chemical and Hydrodynamic cleaning** with High water pressure for systems, structures, heat exchangers and steam boilers.
- **Polymeric protective coatings** against corrosion, chemical attack and wear, extending the life-time of the equipment
- **Import, sales and comprehensive service** of mechanical seals, couplings, water high pressure pumps up to 2800 bar, pumping equipment, coating materials, lubricants and synthetic oil products as well as technologies for dust suppression, Coating for heat exchanger tube sheets and various other technologies if required, with the supervision and assistance of International experts.



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Why work with us?

■ **Our Team**

Laor Engineering has experienced team of field engineers and technicians with equipment on hand to support its scope of services.

The company is under the management of Ori Or, Mech. Eng. (Technion), Marine Chief Engineer, Steam Boilers & Pressure Vessels Supervisor.

■ **Knowledge, Innovation and Experience**

Laor Engineering offers a successful combination of technological expertise, experience in the process engineering field and project management capabilities. We offer our customers full support from planning stage through implementation and after sale services

■ **High Standard Performance**

The quality management system ISO 9001:2008 of **Laor Engineering** was created and is audited by the Standards Institute of Israel

■ **Safety**

Our clients and workers safety is highly important. For that, we implement a strict safety policy, which includes safety trainings and high financial insurance for all types of jobs.



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Representation of leading manufacturers

Laor Engineering is proud to serve as the Israeli representative of the leading companies in the world:



Mechanical seals



Industrial services



Protective coating materials



Water high pressure pumps



Synthetic oils



Elastic Couplings



Dust control



SINCE 1975

Heat exchangers cleaning systems



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Our Clients

ALSTOM



חברת החשמל
Israel Electric



BAZAN בזן
בתי זיקוק לנפט בע"מ



M+W GROUP

NILIT

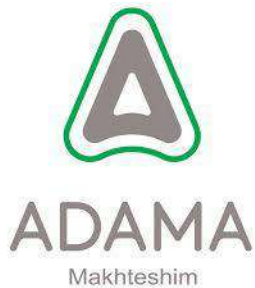


ISRAEL NATIONAL WATER CO.



SIEMENS

ICL



ADAMA
Makhteshim



משרד הביטחון
MINISTRY OF DEFENSE



TOWER
SEMICONDUCTOR LTD.

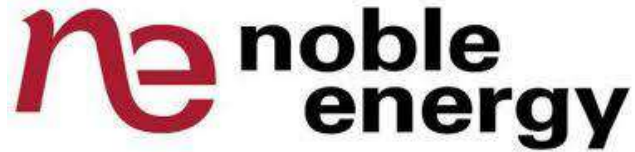


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Our Clients



Tnuva



IMI

Israel Military Industries Ltd.



ROTEM AMFERT NEGEV LTD.



נשר מפעלי מלט ישראליים בע"מ
NESHER ISRAEL CEMENT ENTERPRISES LTD.



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Chemical Cleaning



Over 38 years of **chemical cleaning** experience enables **Laor Engineering** to offer best-in-class technology for pre-operational and operational operations in the petrochemical, refining, utility and process industries



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Chemical Cleaning

Chemical cleaning covers a wide range of services from new construction to ongoing maintenance activities

Laor Engineering provides the two major categories of chemical cleaning:

1. Pre-operational chemical cleaning
2. Post-operational /maintenance chemical cleaning

Laor has the most advanced equipment, including: circulation tanks, pumps, boilers and heat exchangers for all applications

Laor takes care for the safety, the quality control of the chemical reaction and its documentation



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Pre-operational chemical cleaning

Pre-operational cleaning involves the chemical cleaning and steam blowing of a new plant before its first commissioning. Depending on the surface condition and start-up specifications, the selection of the appropriate pre-operational cleaning procedure depends on various individual factors:

- The steam boiler Design Pressure
- The required surface cleanliness
- The required protection level against corrosion
- The steam purity to be obtained within a certain time the economic efficiency



operational chemical cleaning

Operational cleaning

involves the removal of deposits formed during operation.

According to the thickness, composition, state of material and the operational needs the operator chooses to clean or renew the tubes.



Before Cleaning



After Cleaning

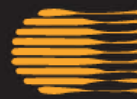


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Laor Engineering Chemical Cleaning Experience in Power Plants

Client	Plant	Type of plant	Month/Year
M+W	Makhteshim Agan Ashdod	HRSG	2015
ISA Khoury Metal Industry	Makhteshim Adama Ramat Hovav	HRSG	2015
Nesher Israel Cement Enterprises	Ramla	HRSG	2014
Paz Ashdod Oil Refinery	Ashdod	HRSG	2008, 2012
BABCOCK BORSIG SERVICE GMBH	Dead Sea Works	2 x Boilers	2005, 2006
ALSTOM(AIPM)	Power Station Hadera	Boiler No.3	2000
DSW	Dead Sea	3 x Boilers	1984, 1988
ORL	Haifa Refinery	2 CE Boilers	1984



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Laor Engineering Chemical Cleaning Experience with International Companies

Client	Plant	Type of work	Year
M+W	Makhteshim Agan Ramat Hovav	Chemical Cleaning	2015
M+W	Soreq power station	leakage tracing in a turbine's condenser	2016-7
ALSTOM	Eshkol Power station in Ashdod	coating of water boxes of condensers	2012
BABCOCK BORSIG SERVICE GMBH	Dead Sea Works	Chemical Cleaning	2005, 2006
Noble Energy Ltd	Noble Energy plant, Ashdod	High pressure and Hydrodynamic cleaning	2015



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Contact Details

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Our [YouTube Channel](#)





COMPANY PROFILE

Laor Engineering was founded in 1979 and has established itself as one of the leading companies in the field of maintenance of industrial plants and factories in Israel.

<p>SOLUTIONS & PRODUCTS</p> <p>3D CAD and 3D simulation of complex 3D high precision 3D models for various types of industrial machinery. 3D models are used for design, engineering, and manufacturing. 3D models are used for design, engineering, and manufacturing. 3D models are used for design, engineering, and manufacturing.</p> <p>MAINTENANCE</p> <p>Repair of industrial machinery (Rotary valves) / Process industries</p>	<p>INDUSTRIAL REPRESENTATION OF LEAD COMPANIES</p> <ul style="list-style-type: none"> • BOHMER - Polymer production coating • PLASTOOL - Plastic processing equipment coating • FLUNSCHE - Coatings for industrial equipment • ROYAL SUPRIE - Coatings for industrial equipment • AMERLYN - Coatings for industrial equipment 	<p>KEY SERVICE AREAS</p> <ul style="list-style-type: none"> • The company has extensive experience in the maintenance of 3D CAD models for industrial machinery and equipment. • The company has extensive experience in the maintenance of industrial machinery and equipment. • The company has extensive experience in the maintenance of industrial machinery and equipment. • The company has extensive experience in the maintenance of industrial machinery and equipment. • The company has extensive experience in the maintenance of industrial machinery and equipment.
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Estimated Supplier of Leading Customers: IEC | Bezon | ICL | Ministry of Defense (Aretel | Lakemad | Tovaiv | HPI | Heter | Tera | Paz | Mekrovet | Nirit | Alatom)

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