Israel’s Agro-technologies
Dairy Equipment & Supplies
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Israel Agro-technologies

Dairy Equipment and Supplies
Milk yields per cow in Israel have risen from 4,000 kg/yr in 1949 to a 2009 world-record of 11,800 kg/yr containing 3.60% fat and 3.20% protein. Maximizing revenue while reducing ecological imbalances requires decision making at the individual cow and at herd levels, properly carried out by data evaluation tailored to each dairying operation. In hot climates, implementation of efficient cooling methods developed in Israel minimizes heat stress, raising milk production by 3 kg/day while reducing feed intake by 10% as well as doubling conception rates. Israeli companies provide innovative dairy farming methods and technologies, design of new dairy farms, plus the expertise and management skills required to implement dairy projects worldwide.

The Israel Export & International Cooperation Institute
The Israel Export & International Cooperation Institute, a non-profit organization supported by the government of Israel and the private sector, facilitates business ties, joint ventures and strategic alliances between overseas and Israeli companies. Charged with promoting Israel's business community in foreign markets, it provides comprehensive, professional trade information, advice, contacts and promotional activities to Israeli companies, and complementary services to business people, commercial groups, and business delegations from abroad.

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Company at a Glance
Afimilk is the global leader in developing and manufacturing advanced computerized systems for the modern dairy farm and herd management. A pioneer in the field since 1977, Afimilk introduced the first electronic milk meter, followed by cutting-edge solutions for the milking parlor.

A Global Presence
Afimilk systems and products are in use on thousands of farms in 50 countries across five continents. With hundreds of thousands of milk meters and millions of pedometers installed, Afimilk sets the standards for dairy farming and management.

Solutions
Afimilk provides an automated modular system for intensive dairy farm management. The fully integrated AfiFarm software collects information about each animal, builds a database and generates reports. This gives farmers real-time information about their herd’s health and fertility, milk quality and productivity, enabling well-informed decision-making.

Technology & Products
Firmly committed to R&D, Afimilk maintains top-notch research resources as well as a large, advanced experimental dairy farm. These assets, together with Afimilk’s contacts with leaders in this industry worldwide, enable development of innovative, practical and effective tools that meet dairy farmers’ needs and help maximize their business potential.

With years of accumulated experience in the dairy farming management sector, Afimilk has extended its knowledge and capabilities to other milk-producing animals, such as buffalos, sheep and goats. The same concepts and philosophy of the dairy cow farming are being successfully implemented. As developing regions are increasingly demanding quality milk, Afimilk has been providing comprehensive solutions for the establishment of dairy farm projects successfully meeting the challenge of different climatic conditions and constraints. One good example is TH–Milk project in Vietnam, the world’s largest dairy farm project, designed for a total of 32,000 milking cows concentrated in 13-14.

Goal
Afimilk is committed to provide customers with remarkable cutting-edge technological solutions, creative thinking and proven expertise for optimizing the dairy supply chain, enabling the most profitable production of high quality milk.
AgriGo Ltd.

Categories:
- Dairy Equipment & Supplies
- Consulting, Planning & Management
- Aquaculture
- Poultry Equipment & Supplies
- Crop Protection

Subcategories:
- Turnkey and personalized modular projects for livestock, agriculture and rural development.

Company at a Glance

AgriGo Ltd is a leading international company implementing animal protein projects in all weather conditions.

With over 150 employees around the world, AgriGo Ltd. is a manufacturer and an integrator providing turn-key solutions within the animal protein business, covering the different types of animals, such as: poultry, pigs, dairy, cattle fattening, and fish.

AgriGo’s ensemble of capabilities allows it to align itself and fully understand its customers’ interests and challenges. AgriGo is the premium supplier in Israel in its field and one of the world’s leaders, with superior professional and economic results, leading to a market share in Israel of more than 50% during 2011–2012.

AgriGo’s key benefit lies in the capability to provide optimal solution and delivers the best state-of-the-art products for its clients, along with a successful and productive yield to its investors.

Technology & Products

Animal Feed – Growing cereals, corn and other open field crops.

Farms – Turn-key and modular projects, with cutting edge technological housing solutions, for poultry, dairy and pig farms. AgriGo’s fish farming solutions include cages, offshore and indoor systems.

Supportive industrial facilities – High quality industrial buildings, such as feed mills, storage houses, slaughter houses, hatcheries, sorting and packing egg houses, cold-storage projects for milk products, meat, fruit and vegetables with climate and oxygen control etc.

EPC – Project Engineering Procurement and Construction services, such as advanced technologies in biogas plants and rural development projects including regional industrial centers.

AgriGo has complemented its services to include all aspects of its customer business. We excel in animal selection, importation and transport, project financing, team building, feed consulting to optimize Feed Cost Ratio (FCR), and On Going Management services to ensure customer satisfaction and business success.

Goal

AgriGo strives to be the leading provider of animal protein projects while keeping animal welfare, maximizing customer profits and minimizing environmental impact.
Company at a Glance
AKOL is a leading entrepreneurial software house that provides the agricultural sector with comprehensive computer-based and communications solutions to meet its needs. AKOL’s IT solutions help farmers across the different sectors manage their resources, providing them with real-time control and the ability to conduct future planning, using off-the-shelf software that AKOL tailors to customers in each specific sector.
AKOL’s major advantage lies in its specialization in the agricultural sector and its in-depth acquaintance with the needs and the way things work in this unique sector, experience it has accumulated over two decades, and its ability to utilize advanced technologies, including integration of farm data from numerous sources, to make focused and professional presentations to the decision-makers.

Technology & Products
AKOL provides the following services:
• “AKOLogic” - the first “Agricultural Cloud” in the world, based on Microsoft Cloud "Azure", using a SAAS – Software as a Service model. The system allows monitoring the growth process from the field to the supermarket, provides management tools for farmers (economic and professional) as well as management and control system to State, cooperative and food companies, etc.
• Off-the-shelf software for managing agricultural sectors, including livestock, field crops, greenhouses, packing houses, wineries, oil presses, etc.
AKOL’s solutions are adapted to the specific needs of customers in each agricultural sector and have been incorporated with great success in a wide variety of organizations.
We have accompanied our customers over the years and run a support center that includes software experts well acquainted with the relevant areas of agriculture.
AKOL’s solutions support the protocols of international agricultural standards, including ISO GlobalGAP, etc.

Goal
To lead the computing solutions for agriculture in the world.
Company at a Glance
ALEFBET is Israel’s leading farm design enterprise. Specializing in the design of a variety of agricultural and Agro-industrial facilities, it develops detailed designs for Villages, Dairy Farms, Feed Centers, Post Harvest Processing Facilities, Plastic Industries and other projects.
ALEFBET applies strict quality control procedures throughout its design and planning process.
The company has vast experience in finding creative solutions in the development of villages, in dealing with ecological issues, different types of climate, water shortage and other limited resources, ensuring high efficiency and maximum yield in the farming and agro industry around the world.

Technology & Products
When you turn to ALEFBET you benefit from:
• Conceptual design and master plan
• Detailed design
• Functional & architectural design based on the latest technologies
• Design of earth works, roads and infrastructure
• Specifications for equipment and machinery
• Overall supervision

Goal
Providing Know-How and special solutions to governments and private entrepreneurs, with special attitude that will meet each client’s individual needs, in order to establish profitable, high quality projects, worldwide.
Company at a Glance
Arbel is a global dairy project company that provides consumers with competitive TURN KEY solutions from planning & design of production floors to equipment manufacture to complete project operation, including start up and training. Arbel specializes in the production of a complete processing line for COW milk, GOAT milk, SHEEP milk, CAMEL milk and YAK Milk.

Technology & Products
Arbel’s equipment is highly efficient, requires limited space, ecologically clean, and only needs limited personnel. The dairy production can be located almost at any location in order to reduce distribution costs or raw milk transportation costs.
Arbel provides its customers with additional equipment, such as quality inspection and testing instruments that allow continued production at the dairy.
Arbel is proud to present unique milk processing unit DAIRY ON WHEELS, a complete dairy processing system installed in special design mobile facilities. The key advantage of this system is allowing to process milk while moving and changing location.

Goal
Our goal is to provide individual solutions to any dairy farmer. Arbel’s equipment can be quickly adapted to meet new and changing requirements. Arbel’s milk processing line can be implemented and adapted on the spot to supply growing market requirements.
Company at a Glance

Biogal–Galed Labs is dedicated to the development, manufacturing and marketing of excellent and unique diagnostic tools for companion animals, poultry and farm animals.

Biogal has 2 distinct product lines:

1. Biogal's new flagship product, PCRun, is a point of care PCR, initially for the diseases canine Leptospira, Leishmania and Ehrlichia.
   The entire reaction is designed to be performed with minimal steps in very basic conditions and can be completed from start to results in 60 min.

2. The ImmunoComb provides a test for detecting antibody levels in blood or serum.
   The ImmunoComb is a quick, simple and portable dot-ELISA test kit.

Technology & Products

Biogal’s ImmunoComb Poultry and Bovine quantitative serology diagnostic kits are ideal for farms or labs that want a quick, portable, reliable and simple ELISA test.

Additional benefits:

- Easy to use – does not require a lab–technician, can be performed by a vet.
- Informative – provides a semi-quantitative result, a helpful diagnostic tool.
- Economical – can simultaneously test up to three different antibodies (for trivalent).
- Flexible – effective with blood, milk, egg or serum specimens.

Goal

Our mission: to improve animal health by providing better diagnostic tools.
Dagan Agricultural Automation Ltd.

Categories:
- Dairy Equipment & Supplies
- Consulting, Planning & Management
- Greenhouses & Covered Systems
- Aquaculture
- Poultry Equipment & Supplies
- Crop Protection

Company at a Glance
Established in 1983, Dagan provides Turn–Key agriculture automation projects, as we are experts in the entire range of professional activities, from design and manufacturing to integration and support of technical\technological systems and products to assure effective and profitable results.
Dagan collaborates with R & D departments in leading agri-tech start-ups around the world. We also use consultants from the world-renowned Weizmann Institute of Science in Rehovot, Israel, and from the Volcani Agricultural Institute of Israel.
Our agricultural automation solutions cover greenhouses, nurseries, net houses and open field systems, fish farms and aquaculture, dairy and poultry farms.
We successfully provide and integrate Turn Key solutions by a wide variety of Hi–Tech products, such as computerized climate control systems, electrical and power supply consoles, water treatment and irrigation systems and feeding\compost processing systems.

Technology & Products
Since its establishment, Dagan has emerged as a world leader in innovative agricultural solutions. Today, Dagan's sophisticated technologies and products enable food providers everywhere to keep growing and keep improving efficiency.
We offer turn–key automated and integrated solutions for:
- Greenhouses
- Fish farms
- Poultry farms
- Pig farms
- Dairy farms
Dagan provides all your agricultural needs – customized, cost-effective systems that conserve water and energy.
- We manage the entire process from inception through to maturation, including:
  - Analysis, design and engineering
  - Manufacturing, installation and integration of all machinery and equipment
  - Technical and logistic support
  - On–site guidance for one or more year

Goal
1. Produce healthy food for the fast growing population of the world.
2. Agricultural innovations in extreme climates: a variety of fields in the most extreme climate conditions.
3. One–stop–shop solution: from inception through to full operation, with maximal efficiency.
**Israel Dairy Board**

**Categories:**
- Dairy Equipment & Supplies

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**Company at a Glance**

**The Israel Dairy Board (P.B.C)**

The Israeli Dairy Board (IDB) is a private organization, jointly owned and managed by the Government of Israel, the major processing companies, and the dairy farmers.

The IDF is working in accordance with the “Milk law”. The law regulates the dairy industry, states the principles of the quota regime, establishes the guaranteed price for milk (“target price”) and defines the objectives of the Israel Dairy Board.

**The Board consists of representatives from:**

**The Government:**
- The Ministry of Agriculture and Rural Development.
- The Ministry of Health.
- The Ministry of Finance.
- The Ministry of Economy.

**The processors:**
- Tnuva Dairy
- Stauss Dairy.
- Tara Dairy.
- Small dairies.

**The farmers:**
- The Israel Cattle Breeders Association.
- Sheep and Goats Breeders Association.
- Israeli Farmers Association.

**The consumers:**
- Two consumers’ organizations.

**The IDB has the following objectives:**
- To generate and organize cooperation among all entities active in the sector.
- To implement government policy regarding milk production, planning and marketing (including management of quotas.)
- To properly manage surplus milk.
- To improve the professional standards of the dairy industry.
- To promote the consumption of milk and dairy products.
- To initiate and support research in topics related to the dairy industry.
LR Group strives to provide above market returns to investors along with generating economic and social benefits for communities and economies at large.

Company at a Glance
LR Group is an Israeli project development company operating globally in initiating, developing, financing, constructing, and managing medium and large scale projects in developing economies. The company and its affiliates have completed hundreds of sustainable projects in Africa, Asia and the Pacific, Russia and Central Asia, South America, and Europe, in the fields of agriculture, housing and construction, health, renewable energy, water supply and treatment, communication, education, and training.
LR Group specializes in providing turn-key solutions for the development of rural areas. Our projects focus on the creation of sustainable businesses and communities, affecting economies at large.
Since its inception in 1985, LR Group has developed an impressive track record of achievements, based on the firm’s ability to integrate all implementation elements for successful results and benefits to all parties involved in various project undertakings.

Technology & Products
LR Group offers integrated project solutions, including: project concept and design, financing, construction and establishment, marketing, and on-going management, based on the most advanced technologies available.
LR Group places high priority to agro technology projects and capacity building, to intensify food production and to the economic enhancement of agriculture and rural development.
The concepts and solutions that LR Group offers are tailor-made based on the needs and resources of each client or partner. This conceptual development approach is derived from Israel's own accumulated experience and know-how in these fields.
LR Group’s projects are designed to achieve a “triple bottom line” impact, providing economic, social, and environmental benefits to communities and project beneficiaries.
LR has a track record of constructing and managing over $1 billion agriculture projects around the globe.

Goal
LR Group strives to provide above market returns to investors along with generating economic and social benefits for communities and economies at large.
MGT Industries Ltd.

Categories:
- Dairy Equipment & Supplies

Subcategories:
- Dairy Design & Engineering
- Dairy Equipment Manufacturing
- Dairy Equipment Installation & Start Ups

Company at a Glance
MGT PROCESS is a division of the MGT Liquid & Process Systems group of companies. By combining more than 40 years of experience supplying food processing plants worldwide and by utilizing state-of-the-art technology, MGT PROCESS provides its customers with superior solutions adapted to their unique requirements.

MGT PROCESS employs leading dairy experts with many years of experience in planning, designing and commissioning of turnkey dairies and dairy components worldwide.

At MGT PROCESS we believe that every customer deserves a tailor-made solution for his specific needs, conditions, standards and vision, so we are trying to suit our solutions for the customer’s maximum outcome. We design, supply and commission small and mid size turn key dairy plants, at a range between 1,000 to 100,000 liters per day.

Technology & Products
MGT Process provides state-of-the-art processing technology, specializing in dairy processing technology forefront. MGT Process provides its technology to the customer through:

- Tailor-made design & engineering
- Technical and technological knowhow & training
- Preliminary courses and seminars
- On-site hands-on training.

Goal
MGT Process delivers its process solutions worldwide, complete with testing, commissioning and post sales services. Our ability to promptly adapt to customers’ requirements coupled with our streamlined design and manufacturing, allows us to meet tight schedules and guarantee punctual delivery.

Our goal is to design, supply and commission small and mid size dairy plants in as many countries as possible, worldwide.
We strive to secure dairy farming's future by monitoring every cow enabling smarter production, more sustainable practices, and more successful farmers.

Company at a Glance
We are the leading developer, manufacturer and marketer of Cow, Milking and Herd Intelligence solutions. Our products are used by tens of thousands of farmers on millions of cows worldwide, and they make a big impact on farmers' businesses and lives by enabling smarter production practices and more successful farms.

We provide the insights and analytics that are essential for optimizing the productivity of every cow, thereby maximizing herd performance and helping to ensure a secure and prosperous future for dairy producers and their families.

Building on over 35 years of meaningful innovation, our pioneering solutions enable smarter and more sustainable dairy farming.

SCR Make every cow count.

Technology & Products
The SCR Heatime® HR-LD System combines rumination monitoring, heat detection and cow identification functionality providing dairy farmers a revolutionary tool to monitor their cows in real-time, 24 hours a day.

Using RF technology, the HR-LD tag contains a motion sensor, microprocessor, memory and specially-tuned microphone that detect the cow’s activity and rumination.

Each HR-LD tag collects information and transmits it to the SCR system a few times per hour via, so the information in the system is up-to-date at all times, no matter where the cow is located.

This unique combination of activity and rumination monitoring revolutionizes dairy farm management, enabling timely, data-based decision making on heat detection and cow health.

Goal
We strive to secure dairy farming's future by monitoring every cow enabling smarter production, more sustainable practices, and more successful farmers.
Sion – Israeli Company for Artificial Insemination & Breeding Ltd.

Categories:
- Dairy Equipment & Supplies

Company at a Glance

Sion A.I. was founded in 2001 through a merger between the On and Hasherut A.I. cooperatives. Sion currently maintains 250 bulls located in three different sites with approximately 50 young bulls being tested every year. Semen from approximately 20 proven bulls is available to Israeli dairy farmers for general service. Most are proven bulls with evaluations based on daughter production records, and the rest are high pedigree index young bulls. Genetic evaluations are performed biannually. Bulls and cows are ranked according to the Israeli Selection Index PD11.

Each year, approximately 450,000 inseminations are performed in Israel, 95% with local semen from the Israeli-Holstein breed. Sion employs 50 insemination technicians. Currently, 88% of the dairy herds are involved in the DHI system. Insemination information is recorded by the technicians on hand-held computer terminals. This system allows for error-free data transfer to the central Israel Cows Breeders Association – ICBA computer.

Semen collection starts when bulls are 14 months old. Genetic evaluations are computed biannually, and the status of the bulls and cows is reevaluated after each new genetic evaluation.

The Israeli dairy cattle population has the highest average milk and milk solids production in the world, even though dairy production conditions are suboptimal due to heat stress in most areas for most of the year. Israeli bulls transmit an outstanding genetic ability for milk yield and components, and excel in fertility, longevity and udder health traits.
Smadar Technologies Ltd.

Company at a Glance

SMADAR TECHNOLOGIES offers engineering and technology for the agro, food and environmental industries, specializing in turnkey projects for food processing plants, cold storage, controlled atmospheres and industrial kitchens. Thanks to Smadar’s vast experience in the field, its highly-skilled staff is able to provide technical consultation services, prepare feasibility studies, perform market research and supply technical and technological know-how as well as manage and supervise all plant construction works. Construction and design start from ground preparation and end with completed buildings ready for operation.

The company offers continued technological and technical assistance as well as follow-up after commencement of plant operation. One third of Y. Smadar's professional workforce are engineers specializing in interdisciplinary fields such as food technology, mechanical engineering, microbiology, economy and other area.

A pool of external subcontractors is at hand for specific projects.

Y. Smadar Engineering & Technology Ltd. is active in Israel, India, China, South America, Central Asia and Africa. There is also collaboration with Egypt.

Technology & Products

The company engages in the following technologies & products:

- Fruit and vegetable processing plants
- Meat and poultry
- Packing housing
- Baby food production plants
- Juice and paste production plants
- Cold stores
- Controlled atmosphere storage
- Distribution centers
- Institutional kitchens

Goal

Smadar’s goals are to maintain the leadership in technological and technical know-how in the Agro, food & environmental industries and to maintain professional team in order to supports its clients and projects.
Company at a Glance

Since 1978, Sprecher Architects is involved in the dairy sector, providing complete integrated designs and implementation packages for all aspects of dairy farms and dairy related projects, offering something unique – Agricultural Architecture – following Frank Lloyd Wright’s design concept where “Form Follows Function.”

Through our collaboration you will have access to the Israeli Dairy Experience, its know–how and technologies, which have made Israel one of the leading countries in the dairy sector – recognized world–wide.

The staff of Sprecher Architects promotes eco–friendly creative designs not only for large commercial projects but also for the smallest farmers. We believe in and are committed to the spirit of innovation, and the possibilities it presents in sustainability.

Technology & Products

With the client we create dedicated teams of professionals, dealing with all aspects of and inputs for his project, taking into account site specific restraints: animal housing and all service structures, animal husbandry and nutrition, genetics, agro technologies and equipments, agro waste management, dairy farm management, processing and marketing, etc., etc..

Our staff will prepare project programs, DPR’s, master–planning and complete detailed architectural designs. In overseas projects we collaborate with local entities under close guidance of our professionals, to provide all engineering and shared supervision.

Equipment sourcing is especially important where local restraints create restrictions. We source standard and innovative equipments and integrate these into project designs.

We offer clients hands on & practical training in Israel and/or at site, where trainees familiarize themselves with modern dairy farming and know–how, as the success of dairy projects depends on the capabilities of the people working and managing the projects.

Goal

Our goal is to provide farmers their gateway into the modern dairy world, through the Israel Dairy Experience and our expertise, contributing tremendously towards the success of their dairy projects.
Company at a Glance
Tefen is a leading manufacturer of environmental friendly, non-electric volumetric equipment and flow products since 1973.
Tefen's MixRite line of water driven proportional dosing pumps is used to ensure precise additive injection directly into the water or fluid line under various flow rates, feed ratios and different ranges of pressure.
Tefen fittings are simple to use and require no special tools to enable reliable leak-free connections.
Our Research & Development Department follows the latest innovations in plastics technology, ensuring that customers benefit from quick and sound solutions.
Its dedication to quality and its fine customer service has won Tefen the confidence of loyal and satisfied customers all over the world.
Tefen is certified for ISO 9001:2008 and we meet all international standards.

Technology & Products
Tefen MixRite line
Tefen offers the MixRite pumps for a variety of applications such as medication for livestock, cleaning or disinfecting fluid lines, sanitizing water systems, car wash, cost effecting fertilizing, and pest control for crops and plants. These injectors are extremely durable, manufactured from engineered composite materials to withstand the rigors of the elements, as well as chemicals and acids for injection.
Tefen’s Flow Products
Tefen manufactures and sells a wide range of products in the connect and fluid categories. Synonym for quality and reliability, our fittings are used in applications where errors and malfunctions are critical. Our products are being used for the pneumatic and hydraulic automation as well as for the irrigation industry.

Goal
We set our mission to be among the world leaders in the Water-Driven Injectors and Fittings market.