



www.atlsjo.com

About Us

Atlas Engineering Investments is a limited liability Industrial Company Registered in the Kingdom of Jordan manufacturing and designing various Engineering Projects ranging from latest technology agricultural Irrigation systems, to Solar Energy Solutions for many types of applications, in addition we build & design multi purpose uses, tourist and housing projects.

Atlas have management and executions experience since 1999 in the United Kingdom, Germany, the Netherlands, the Middle East and North Africa, backed by the support of first class companies and investors from all around the World when needed in implementing large scale projects and contracts.

We pride our-self in finding best solutions for our clients' Requirements at the best competitive prices. Atlas of Jordan is growing, evolving and is proud to play a major role in the developing markets in the regional countries.



Our Mission

Working together with our clients from both private and public sector in a partnership, to provide first class solutions and supplying quality products that would enhance the image of our region around the world.

Our VISION

To be the preferred supplier of all irrigation systems, solar power solutions, prefabricated steel buildings construction and few other specialties including our experience in designing & construction of tourist and housing projects that meets our clients needs and aspirations.

نبدة عن الشركة

أطلس للاستثمارات الهندسية هي شركة صناعية ذات مسؤولية محدودة مسجلة في الأردن، تعمل على تصنيع وتصميم مشاريع هندسية متنوعة ومختلفة، بدءاً من نظم تكنولوجيا شبكات الري الزراعي إلى أحدث حلول الطاقة الشمسية لخدمة الكثير من أنواع التطبيقات، بالإضافة بناء وتصميم مشاريع متكاملة متعددة الأغراض والمشاريع السياحية والسكنية.

نحن في "أطلس" نتمتع بخبرة إدارية وتنفيذية منذ عام ١٩٩٩ في المملكة المتحدة، الأردن، العراق، منطقة الشرق الأولى الأوسط وشمال إفريقيا، بالاستعانة بكادرنا الهندسي الذي لديه خبرة عشرات السنين وبشركات من الدرجة الأولى

ومستثمرين من جميع أنحاء العالم متوفرين لمساندتنا في تنفيذ التعاقدات والمشاريع الضخمة واسعة النطاق.
نحن نفخر بقدرتنا على توفير الحلول المثلى المخصصة وفق متطلبات عملائنا وبأسعار تنافسية.
أطلس الأردنية تنمو وتتطور، وتفتخر بأن يكون لها دور رئيسي في تطوير سوق العراق وجميع البلدان في المنطقة



Liil Luj

العمل معاً ضمن شراكة مع الزبائن من القطاعين الخاص والعام على حد سواء لتوفير حلول وخدمات من الدرجة الأولى وتوريد منتجات ذات جودة عالية والمساهمة في تحسين صورة منطقتنا حول العالم.





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أن تصبح شركتنا المجهز الأفضل المعتمد لجميع أنظمة شبكات الريَّ، وأنظمة الطاقة الشمسية، مدعوم بخبرتنا الكبيرة لإنجاز المشاريع السياحة والسكنية التي تلبي احتياجات عملائنا.



Our Business Activities

- We Manufacture and assemble various Sprinkler type Irrigation Systems for agricultural uses that we believe will improve the use of water resources by increasing the quality and quantity of the farming produce.
- We Import and assemble various types of Solar Energy Systems from the smallest units for home use to large scale solar farms to help in producing green, clean renewable energy at competitive prices.
- We design & build tourist cities, housing or multiuses projects according to the llatest modern techniques.

Our Achievements

- spare parts to Iraq.
- include 100 hotel rooms, 192 apartments, 57 villas and palaces, Marrakesh, Kingdom of Morocco.



نطاق أعمالنا

تصنيع وتجميع مختلف أنظمة الري بالرش والتنقيط للاستخدامات الزراعية والتي نؤمن بكفائتها لتحسين استخدام الموارد المائية وزيادة نوعية وكمية الحاصلات الزراعية.

استيراد وتجميع شتى أنواع نظم الطاقة الشمسية من أصغر الوحدات للاستخدام المنزلي إلى مزارع توليد الطاقة الكهربائية الكبيرة للمساعدة في مجال انتاج طاقة متجددة، ونظيفة صديقة للبيئة بأسعار تنافسية. تصميم وإنشاء منتجعات سياحية ومشاريع سكنية أو مشاريع متعددة الاستعمالات حسب آخر التطورات العصرية .





المشاريع التي تم تنفيذها من خلالنا (على سبيل المثال وليس حصراً):

- ١. توريد أنواع مختلفة من المركبات الجديدة ذات العلامات التجارية المعروفة في
- ٢. تصنيع وتجهيز ٥٠٠ من أنظمة الري بالرش الثابتة وقطع الغيار الخاصة بها في
 - ٣. بناء وإنشاء ١٧ من المباني الحديدية الجاهزة، في المملكة الأردنية الهاشمية.
 - ٤. تصميم وإدارة وتسويق منتجع سياحي متكامل والذي يشمل ١٠٠ غرفة فندقية، ١٩٢ شقة، ٥٧ من الفلل والقصور، في مراكش، المملكة المغربية.



٥. توريد وتزويد منظمة "Jica" بمعدات وأدوات هندسية، عمان، المملكة الأردنية الهاشمية.







Irrigation Systems

We Manufacture and assemble Fixed type Irrigation systems using both hot galvanized quick coupling steel pipes, HDPE quick coupling pipes, and accessories.

Our system covers agricultural watered areas starting from 12,500 square meters. We use latest technology that enables our unique systems to work automatically or manually.

In Atlas, we produce Irrigation systems that can work using solar power, petrol, or



gasoline fuel. Our systems comes couples with various types of filters to purify the water used as needed by the client.

We use virgin and first class materials for all parts to form our systems. Our quick coupling pipe makes it easy for any farmer to assemble and de-assemble any system or transfer to another preferred area without facing any difficulties.

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أنظمة وشبكات الريّ

نحن نقوم بتصنيع وتجميع أنظمة الري الثابتة باستخدام كل من أنابيب التوصيل السريع الحديدية المطلية بالزنك (HotGalvanized)، أو الأنظمة التي تستعمل الأنابيب البلاستيكية HDPE ، وجميع الملحقات الخاصة بكليهما . أنظمتنا الفريدة لشبكات الريَ تغطي المناطق الزراعية المروية بدءاً من مساحة ١٢,٥٠٠ متر مربع، نستخدم لتطويرها أحدث التقنيات العالمية لتمكين نظام الريّ من اللعمل آليا أو يدويا .

وتنتج "أطلس" بالإضافة إلى ما سبق أنظمة الريّ التي يمكن أن تعمل باستخدام الطاقة الشمسية أوالبترول ووقود البنزين.



نحن نستعمل المواد النقية من الدرجة الأولى في تصنيع جميع الأجزاء المستخدمة في تكوين أنظمة الريّ.

أنابيب التوصيل المستخدمة في أنظمتنا تجعل من السهل على أي مزارع القيام بتجميع وتفكيك أي منظومة أو شبكة ونقلها إلى منطقة أخرى يرغب بها من دون أي صعوبات أو مشاكل.

Atlas solution which have no alternative















Photos of Irrigation system using steel parts

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صور منظومة الري باستخدام أجزاء مصنوعة من الحديد

حل أطلس الذي لا يقبل بديل















Photos of Irrigation system using plastic parts

صور منظومة الري باستخدام أجزاء مصنوعة من البلاستيك

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New Atlas Solutions for Energy









حلول أطلس الجديدة للطاقة













توفر الطاقة الشمسية ميزتي التوفير والكفاءة، فهي طاقة مستدامة متاحة دون مقابل، وباعتمادها يصبح بالإمكان استخدام التدفئة والتكييف والآلات الأخرى بلا حسابات شهرية، وبالتأكيد يسمح بتوظيف الطاقة الشمسية على مختلف المستويات، بما يشمل المنازل، المصانع، المزارع والمستشفيات، وحتى الفنادق وغيرها من المنشآت بشكلٍ دائم ويكاد يكون مجاناً.

solar energy Provides the advantages of economy and efficiency, Its sustainable and available free of

charge, through which it becomes possible to use heating, air conditioning and other machinery with no monthly accounts, and this certainly involves using solar energy at different levels, including houses, factories, hospitals, and even hotels and other facilities on a permanent basis and almost for free.









نموذج هندسي لمشروع سياحي متكامل – المغرب















Almost 40 solid years in the business of DWC Pipe Manufacturing Technology

- Headquartered in Germany.
- Manufacturing by Atlas in Jordan under license.
- Atlas is a pioneer in DWC pipe manufacturing.
- Atlas introduces DWC pipe technology.
 DWC pipe range for drainage and sewerage applications from 100 mm o.d. to 1500 mm o.d.

Why Corrugated Pipes are the FUTURE History

- Romans used Stones-Wood with holes
- lead to Galvanised Steel-Concrete Clay-Pitch Fibre - Glass Fibre
- Now we have Polypropolene-Polyethalene
- Now we have strength by design not weight



Corrugated Plastic Pipes a Great Story of Success





The Future Market place for Corrugated Pipes



- Sewers and Drainage (PE / PP)
 DWP → 100 1.500 mm i.d.
- Gas and Water ducting in house (PE / PP)
 SWP → 16 63 mm o.d.
- Cable Ducting in house (PVC / PE / PP)
 SWP → 16 63 mm o.d.
- Underground cable ducting (PE)
 - DWP → 40 mm 250 mm o.d.
- U.K. Market is now around 130 Mill. Pounds (150 Mill. USD)

The Hard Facts



In 2008, circa 2.6 billion people (39% of global population) did not have access to normal sanitation facilities.

Still a long way to go, but the use of DWC helps to achieve that goal within reasonable time and environmentally sustainable.

Consumption of Drainage and Sewerage Pipes worldwide







Why Corrugated Pipes Pipes are the FUTURE



- Pipes designed to applicable International Standards
- EN 13476
- IS 14930 (India)
- ISO/FDIS 21138-3
- EN 50086-2-4
- AASHTO M294
- AASHTO M252
- ASTM F949 & F794
- CSA B182.4
- AS/NZS 5065

Lighter by 60 - 75% - tremendous savings on raw material Easier to handle, therefore very user friendly

High flexibility – overload leads only to a deflection – the system remains tight Rigid Pipes Flexible Pipes



A STM

Engineering Investments

Logistic advantage, five times Faster to lay and reduction in lifting equipment

No damages during transport or handling 10% of damages in concrete pipes

Exhalant Manufacturing gives consistent tolerances

Corrugated pipe joint



Larger tolerances 3 – 12 mm



Consumption of Drainage and Sewerage Pipes worldwide Worldwide market for small DWC pipes is well established already Increasing demands for large DWC pipes, from 300 to 1500 mm i.d. In large diameters DWC pipe systems are significantly more competitive compared with non plastic and solid walled plastic pipe systems.



Summary • Lighter in weight

- Flexibility
- Logistic advantages, faster to lay
- Small tolerances
- Worldwide in use, standards for most of the areas available
- Very long life cycle
- High chemical resistance
- Low abrasion
- Low surface roughness
- Low system roughness by use of 6 m pipes and less fittings compare to clay and concrete pipe systems



1. Sweden – Extension of Skavsta Airport in Sweden Drainage System for storm water and aggressive fluids



Place

Skavsta Airport / Sweden / Nyköping

Principle Board of Civil Aviation Sweden

Construction Period

Winter 2009

The big challenge was to keep the airport going during construction. It was requested to lay the pipes very quickly. Therefore construction companies decided to use DWC pipes, which

are known for its very fast way of installation and best mechanical performances.

The construction company laid up to 48 m of DWC pipes (600 and 800 mm i.d.) within one working day. It had never been possible with



Material Consumption: 1000 m DWC – Pipes n.s. 600 – 800 mm i.d.





2. United Kingdom – Widening of motorway M27 Road Drainage System



Place Portsmouth / UK

Principle Local Highway Agency

Construction Period recently

Concrete pipe was originally specified in diameters up to 600mm, but finally the decision was made for DWC – HDPE pipes.

Reason was that DWC could be installed quicker, which was an important factor, because the installation of the drainage system took place on a live highway.

DWC pipes were easy to handle and install, as each pipe length is light enough to carry. The requirement for heavy equipment was minimized.

Material Consumption: 8.200 m DWC – Pipes made of HD-PE n.s. 150 – 600 mm i.d.

Budget: £250,000



3. USA - Assessment of DWC pipe performance under railroads Letter Report No. P-09-052 Prepared for Plastic Pipe Institute





by Transportation Technology Center, Inc. (Association of American Railroads) 11130 Pueblo, Colorado, USA from 14th January 2010

Target was to measure Strains and Deflections on the pipes :

- statically and dynamically
- prior and after
- completing train operations up to accumulated 96 MGT of Heavy Axle Load

Excavation for the pipes Installation of the pipes Compaction of the soil Final installation of the rails Positive final results



Key Conclusions from Association of American Railroads. Pipes performed acceptably through 96 MGT of heavy axle load traffic. No track geometry maintenance was required at test site due to pipe deflection or fill settlement.

Ride quality over the pipes was satisfactory. The maximum deflection caused by dynamic loads was 0,12%.



4. USA – DWC Pipes for Retention Systems

Storm Water Problem was solved with a large diameter DWC Pipe Retention System





Lagrange High School in Lagrange, Georgia / USA Place : Principle : Lagrange High School

Construction Period : 2009

Storm Water Problem solved with large HDPE Retention System

The expansion of the buildings did not leave any space for an above ground retention pond.

This meant putting the retention system under the school's new parking lot. DWC was the product of choice also because it can be fabricated with complex angles for a tailored fit.

No other product has this feature and can perform for more than 100 years, and probably longer!

Project data: Total storage capacity:

920 m³ of water

DWC Pipes made of HDPE: 340 m \rightarrow n.s. 1500 mm i.d.

240 m -> n.s. 1200 mm i.d.

The pipe system was fully perforated to enable water coming off the parking lot to enter the pipe and be slowly released into the native soil.

The entire area was fully topped with geotextile to keep mud from infiltrating the pipe through the perforations.







Atlas New Water System Solutions

The story of DWC pipes is a worldwide STORY OF SUCCESS

based on the human requirement for a better and environmentally friendly life!



Amiplastics – Applied Market information Ltd., UK Association of American Railroads – TTC, USA

Atlas Building System Solutions

HIGH SPEED OF CONSTRACTION

With the Atlas mobile factory, a 1000 square meter structure can be built in 48 hours. Using the high speed of fabrication and seaming of panels, a crew of 10 to 12 workers can fabricate and erect nearly 100 arched in one day.



ON-SITE MANUFACTURING

The Atlas Mobile Factory is taken directly to the construction site and the building is fabricated completely on-site.No costs of shipping building components from a fabrication shop are incurred.





LOW COST OF CONETRUCTION

Due to the above reason, the cost of construction of a Atlas Building in nearly half that of conventional and Prefabricated buildings in most countries.



MOBILITY AND ACCESS TO REMOTE AREAS

The trailer-mounted Atlas Factory can be easily towed by an ordinary vehicle to any remote part of the country and but into operation the moment it arrives at the site without any delay whatsoever.





Atlas Building System Solutions

SAVING IN MANPOER

A crew of approximately 15 trained men can erect a 1000 square meter building in a single day.



ATLAS BUILDINGS ARE INSULATED

For temperature control in heat or cold, Atlas Industrial offer a range of insulation materials and spray equipment such as cellulose, etc.

STEEL OR ALUMINUM

You can build your Atlas buildings in either steel or aluminum, prepainted in an unlimited range of colors.





NO WATERPROOFING REQUIRED

All built steel buildings do not require waterproofing. Arches are seamed together in a totally waterproof joint by the electric seaming machine included with the system. No nuts-,bolts or screws are used in the erection of the arches.



NO STRUCTURAL COLUMNS, BEAMS OR TRUSSES REQUIRED

Atlas arches are deigned to be totally self- supporting and do not require any support structure such as is needed in standard steel frame buildings.













The arches formed by the Atlas Solutions Industrial factories are used either as complete building or as roof over sidewalks. The self- supporting arches span from 5 up to 30 meters clear width without any intermediate support of columns, beams or trusses.

Our combination of machines do the following:

With the Atlas - 120 you can make clear span arches from 5 meters to 24 meters in width. It also fabricates straight "U" shaped panels for walls and flat roof.

The Atlas- 240 fabricates arches from 15 meters to 30 meters width. The profile of the arch is designed to provide 25% to 30% additional savings in in steel over the Atlas-120.

The Atlas-500 is the INSULATION SYSTEM FOR CELLUOSE INSULATION, it sprays cellulose fiber on inside surface of the steel building for excellent thermal insulation and acoustics.

The Atlas-200 spray system is the sate-of-the-art technology for spraying Urethane Insulation. This system is used for construction of cold storage buildings and special insulation projects. The urethane foam is sprayed either on the inside surface of the arch or between the two layers of steel arches in a sandwich format. This combination provides maximum flexibility in design and construction.

MOBILITY

From scorching deserts to frozen mountain rages, Atlas factory enables you to literally bring a building factory to any construction site in the country. The factory is designed to be a fully self-contained building manufacturing system.

COST

Now, faster and more economically than ever before, the unique Atlas Automatic Building Machine System allows you to fabricate and erect steel and aluminum buildings over 120 feet (36 meters) wide.... At a cost FAR LESS than any other conventional construction system.

Use of a single raw material (rolls of prepainted galvanized steel or aluminum), a small crew of 7 to 12 workers combined with the system mobility, on site construction and overall speed means unmatched advantage in building cost.

SIMPLICITY, VERSATILITY AND DURABLITY

No support columns, beams, trusses or any nuts, bolts, rivets or screws are required to erect an Atlas manufactured building.

Atlas manufactured building are easily adapted to almost any design or requirement. Atlas buildings are totally waterproof-without the use of sealant.

Atlas manufactured buildings require virtually no maintenance – which makes them even more economical.



Atlas Building System Solutions







Atlas System International Steel Coil Specifications

Galvanized Steel in coils confirming to ASTM A 653 (Formerly A 446), Product Structural quality, for rollforming (Cold Rolled & Prepainted are optional)

35.75 inches to 36 inches (optimum is 36.00 inches) or 90.80 cm to 91.44 Coil (optimum is 91.44 cm) Width

Maximum outside diameter is 40 inches or 101.60 cm inside daimeter : 19-Coil 24 inches or 48.25 to 60.96 cm Daimeter

Coil Weight	Maximum 2,270 Kilgrams
Steel Grade	C or Grade 40: Yield Strength: 40,000 psi or 2,800 kg/cm2 or 28 kg/mm2 D or Grade 50: Yeild Strength: 50,000 psi or 3,500 kg/cm2 or 35 kg/mm2
Thickness	Options: 0.023, 0.026, 0.029, 0.035, 0.040 or 0.060 inches Or 0.584, 0.660, 0.737, 0.889, 1.016 or 1.524 mm
Tolerance	Minus 0.000 (no thickness less than specified) to plus 0.008 inch Or Minus 0.000 (no thickness less than specified)to plus 0.20 mm
Galvanized Coating	Class G-90 for galvanized, Class G-60 can be used for prepainted Regular spangle, non-chemical treated. Lightly oiled for galvanized only coils

General Paint	Coating topside: 25 microns total dry thickness, polyester on primer with
Specifi cations	wax or light lubricant applied. Suitable for rollforming. NCCA Standard T BEND Test method or ASTM D 4145-83 (must pass 1T bend test). Backside. 12 microns total dry thickness, epoxy backer on primer

ATLASTM Engineering Investments

Atlas Building System Solutions



INTRODUCING THE PRE-FABRICATED GALVANZED PRE-PAINTES STEEL MULTI PURPOSE BUILDINGS

Dear client, Thank you for your interest in Atlas Steel Building System. We are pleased to be able to offer you our expertise in constructing multi purpose pre- fabricated steel buildings which have unlimited number of uses covering both civil & military applications.

The following are examples of some of the building types we can build or construct in a matter of days with substantial saving in construction cost & time.

We can construct both UBM & K-Span type of steel buildings. We look forward in having the pleasure in working with you. Yours Sincerely



Managing Director Atlas Engineering Investments Ltd

Amman - Jordan

- Shopping Centers
- Market Places
- Showrooms, Schools
- Sport Building
- Swimming Pool
- Clinics



- Garages
- Parking Facilites
- Bus And Truk Stations
- Factories
- Grain And Vegetable Storage
- Cold Storage For Fruits and Freezer For Storing Meat
- etc



ATLAS IS THE EXCLUSIVE AGENT FOR LEVASTO HOTELS BV OF THE NETHERLANDS





Brand Your Investment with a Strong Brand Name

Levasto Hotel Brand is a company specializing in hotel creations and developments and is based in Amersfoort in The Netherlands. We are one of the leading companies operating in both urban and resort locations.

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World's most Innovative Hotel Brands in the Market.

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ATLAS IS THE EXCLUSIVE AGENT FOR TAMKEEN TECHNOLOGY LTD OF THE UK



Quality Guaranteed

We have accessible ready made answers to all your needs

What Do We Do?

We specialise in the design and manufacturing of housingkeeping robots for household purposes, home & commercial automation systems, all types of sprinkler systems for irrigation, solar pow



PERSONALISED SOLUTIONS

We take raw ideas from our clients and turn it into a meaningful results. We work with our customers throughout the process to ensure that the system is relevant. We are committed to providing clean, in-depth solutions

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