

Bespoke
Container
Conversions



SOUTHERN ENGINEERING CO LTD
Marine & Offshore Engineering

CONTAINERIZED SOLUTIONS DIVISION



Part of



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CONVERTING SHIPPING CONTAINERS INTO HABITABLE SPACES



SOUTHERN ENGINEERING CO. LTD (SECO): AN ISO 9001 ACCREDITED SOLUTION DRIVEN ENGINEERING COMPANY

SECO converts shipping containers into solutions suitable for Commercial or Private use. We are focused on innovation and aim to offer the highest international manufacturing standards.

Our range includes solutions for housing, industrial, storage and remote camp construction. We offer the full scope from design, manufacture, transportation and the installation of the units on site.

We offer both sell and lease options and we are able to meet most client requirements, supplying units anywhere in Eastern Africa. Our manufacturing facility is based in Mombasa, Kenya.

SELECTED CLIENT REFERENCE

- Haliburton
- Schlumberger
- Baker Hughes
- Tullow Oil
- UNSOA
- Vestas
- Supply Base Solutions (SBS)
- Lake Turkana Wind Power (LTWP)



BEAUTIFUL PORTABLE SPACES FOR LIVING AND WORKING

At SECO, we do more than just supply containers. We also modify, customise and supply the extras to make it the perfect transport and storage solution for your needs.

We can transform 20ft, 40ft or mini shipping containers into a customised unit that is ideal for your specific application.

Our design and engineering team can add a variety of functional features that assist with security, convenience, access,

organisation, comfort, versatility and much more. Some examples of container modifications include adding doors and windows; extending the length of the container; painting the unit in your preferred colour; adding ventilation, insulation, air conditioning power and more.

We can add accessories such as locks and lockboxes (for added security), shelving for equipment storage and organisation, ramps, lockers and storage cabinets inside the unit.

We can also undertake custom modifications of all kinds. For custom designs, we work with our Kenya-based engineering and design team to find a solution for you.

We can complete most modifications - please discuss your requirements with our sales team who will find you the perfect solution.





TURNKEY SOLUTIONS

CONTAINER CONVERSIONS

Containers are strong, secure and modular, making them the perfect solution for just about any instant space requirement. They can be modified and converted into virtually any space & their durability allows for these spaces to be moved and positioned to form individual or multiple container structures. They are not only suited to rapid delivery due to their modular nature, but are also perfect for remote camps as a “plug and play” solution for everything from office and accommodation requirements to medical facilities and training rooms.

TAILORED SOLUTIONS

- ❖ Design, Manufacture, Logistics & Installation
- ❖ Modular “Plug & Play” solutions
- ❖ Regional reach with multiple offices and production facilities in East Africa
- ❖ Tailored conversions are done by a team of in-house engineers and design experts
- ❖ Turnkey solutions from idea inception to site mobilisation

WE ADD VALUE TO YOUR PROJECTS WITH OUR:

- ❖ Extensive product knowledge of containers and ancillary equipment
- ❖ Design experience with structural assessment and 3D modeling as well as true-to-life architectural visualizations
- ❖ Thorough project investigation to ensure suitable specifications
- ❖ High quality workmanship and customer service

ACCOMMODATION UNITS



Whether utilising brownfield sites for interim use or long-term deployment, the units can be offered on long-term lease or purchase.



SLEEPING QUARTERS

Containerized Accommodation Units have always come in handy where immediate accommodation is required.

Our units can either come fully equipped with beds, cabinets, air conditioners, insulated and non-insulated or just as empty shells with all the cutouts needed.

We offer 20ft and 40ft units that are customer designed for individual applications. These units can be painted in a colour of your choice. Accommodation containers are built to the clients' requirements: 2 bedroom one bathroom; 3 bedroom one bathroom; 1 bedroom one bathroom; and living area with kitchen.



FEATURES

Can be stacked, and we can build the stairways and platforms.

All our solutions can include

- Climate Control
- Energy Efficient Internal and External Lighting
- Bathroom Facilities With a Shower, Toilet, Vanity Cupboard and Exhaust Fan - Ensuite
- We Also Offer a Kitchenette Option.

OFFICE UNITS



Single Container Office or a Multi-Storey facility, We Create Beautifully Crafted Clean and Modern Work Spaces.



PRODUCT DETAILS

Office space can be a hassle when renovations are taking place or when you are in the construction industry, where you move from one place to another. Our office units come in handy as they are designed to suit all types of businesses. We have a wide range of floors to choose from to suit your type of business. For company executives, we have top of the range 20ft site offices, which come with the following options: air conditioner, full 40mm insulation to the walls, roof and doors, windows, lights, entrance door, light switch, double plugs and a variety of floors that include carpet, vinyl, wet pour, etc. The exterior of the container will be painted in a colour of your choice.



FEATURES

- ❖ Anti Vandal, Secure and Weatherproof.
- ❖ Open Plan or Various Other Configurations
- ❖ Combination Units Are Available: Combining An Office With Storage Space, Canteen Or Drying Room
- ❖ Lighting and Electricity Provided
- ❖ Stand Alone, Side By Side or Stacked
- ❖ Air-Conditioned
- ❖ Desks
- ❖ Chairs
- ❖ Filing and Stationery Cabinets

ABLUTION BLOCKS



Having quality toilets and shower facilities on construction sites is essential, and we've got it covered.



PRODUCT DETAILS

Our Ablution Blocks are insulated for optimum temperature control, and are fitted with urinals, cubicles, hot and cold water, and functional windows to improve natural airflow. Separate male and female facilities are also available, and our 'plug and play' plumbing ensures quick and easy deployment.

Every Ablution Block comes with power and lighting, and various cubicle configurations to suit your workforce needs. This includes two stalls with two urinals (male), single (male) or double (female) basin and vanity. Our range thrives in harsh environments. Built with high quality fittings, our units are designed to last so your site activities are not interrupted.



OPTIONS

- ❖ Single Sex, Male/Female Blocks and Combination Units With a Shower Are Available To Meet Your Needs
- ❖ Can Be Connected To The Main Waste Drainage System Or We Can Supply A Separate Waste Holding Tank As An Optional Extra
- ❖ All Units Are Fitted With Sinks To Allow Hand and Full Arm Washing
- ❖ Fitted With Water Heaters
- ❖ Lighting and Electricity Provided
- ❖ Completed With Insulated Walls

LAUNDRY UNITS



All our Laundry Units are easy to clean and will stand up to the most demanding uses in any environment.



PRODUCT DETAILS

Since the washing machines are mounted on extendable rails, it takes less than 5 minutes to pull out a unit for servicing.

The transport protection mechanism for the washing machines is functional when both installing and dismantling the container.

Two highcapacity extractor fans have been installed to regulate humidity levels in the container.

Both fans start when the light switch is activated, and will continue as long as the lights are on.



The container has two air-conditioning units. Both units have cooling and heating functions to provide a stable indoor temperature.

The system is closed, so no air is inducted from outside.

If the temperature outside the container drops below that for which the air conditioning system can compensate, additional heating is required.

An electric ribbed radiator has therefore also been installed in the container.

CLINICS & PHARMACIES



Sterile, customizable and transportable medical containers for application anywhere and at any time.



CLINICS

Health to all is a buzzword in the world, and containers can come in handy in assuring that everyone has access to health facilities. In remote areas, health facilities can be taken closer to the people in need, and once normal facilities have been erected, they can be moved to another location.

Clinics and infirmary centres can be built from a 20ft or 40ft container, and in some cases, containers can be joined together to come up with the required floor areas.

It is also possible to have clinics with beds for overnight detentions, fitted with all the necessary equipment where possible.



PHARMACIES

The availability of under developed areas in most countries, especially the Third World Countries, always provides a need in providing temporary medical drug dispensary infrastructure, in preparation for the erection of permanent ones.

Our containerized pharmacies will give mileage to any government, medical department or pharmaceutical company.

SECO manufactures affordable, durable and convenient pharmacies for any location, with all the necessary fitments, including lockable prescription drugs cabinets.

LABORATORY UNITS



Ideal for a range of analytical testing and monitoring, as well as for mining, petroleum, industrial and specialty applications.



ANALYTICAL ASSESSMENT

We are able to offer the perfect solution for your Containerized Laboratory, whether it is to be used for medical or chemical testing, or in an industrial capacity.

Some specifications may include the unit being air tight, or on the other hand, it may need to be well ventilated with specific extraction systems.

There are several options available to modify the containers' floor, to ensure that they are safe and easy to clean: overlaying the original plywood, using 3mm steel durbar or polysafe non-slip vinyl ; or removing the plywood completely and creating a chemical bund.



TURNKEY SOLUTIONS

- ❖ Onsite Sample Preparation Laboratories Such As Crushing, Pulverizing and Splitting, Prior To Sample Shipment To Commercial Assay Labs
- ❖ Onsite Analytical or "Clean" Laboratories Which Can Accommodate Aa Spectrometers, Xrf Analyzers and Associated Sample Preparation Work Areas.
- ❖ Water Testing Laboratories
- ❖ Digestion or Fire Assay Laboratories
- ❖ Metallurgical Laboratories For Wet And/ or Dry Metallurgical Work

WORKSHOP UNITS



Workshop Containers are wind, water and vermin proof, making them resilient in the roughest of work environments.



PRODUCT DETAILS

Shipping containers make the perfect workshops; they are strong and robust, come in all shapes and sizes, are weatherproof, secure and can have all manner of conversion work carried out on them to ensure you make the most out of your container.

Containers can be made into workshops by fitting doors, windows, roller shutters, lighting, electrics, water supply, and heating. We can also kit them out with all kinds of furniture and accessories including shelving, work benches, drawers, alarms, hooks, locks and lockboxes, mesh cages, grafo therm and insulation... the list is endless. Of course, we also supply empty, unconverted containers for you to fit out as you wish.



FEATURES

- ❖ A High Security Personnel Door
- ❖ Steel Shelving
- ❖ Work Bench With Heavy Duty Vice
- ❖ Steel Tool Cabinets
- ❖ Steel Storage Bins
- ❖ Steel Framework For Hanging Lashing
- ❖ Vapour Proof Fluorescent Lights
- ❖ External Isolator and Generator Socket
- ❖ Exterior Painted In Customer's Chosen Colour

CONFERENCE UNITS



Single Container Office or a Multi-Storey facility, We Create Beautifully Crafted Clean and Modern Work Spaces.



BASIC, PREMIUM OR EXECUTIVE

A collaborative meeting room where everyone can convene is important in any workspace.

Our Conference Package makes it more inviting with a mini kitchen set-up, white boards and flat screens – everyone will be ready to work.

Our conference room packages are thoughtfully designed to fit in your space – saving you up to 30% in costs and 100% in time.



FEATURES

- ❖ Conference Tables
- ❖ Utility Table
- ❖ Chairs
- ❖ Whiteboards
- ❖ Refrigerator
- ❖ Flat Screen Monitor
- ❖ Wall Bracket
- ❖ Microwave
- ❖ Trash Can

KITCHEN UNITS



We convert shipping containers into professional, hygienic kitchen facilities, from basic to luxurious kitchens.



FOOD

The food industry has never been saturated, evidenced by the number of food outlets that spring up on a day-to-day basis, and this includes the roadside operators. Our Containerised Kitchens come in handy with all the necessary fitments, as per clients' specifications. We can supply kitchens with or without equipment.

Our units are ideal for event holders, who always need to have a kitchen unit that is mobile for different locations. This scenario also applies to the construction, mining and research industries, in situations that require them to be in the bush for longer periods, and need to have decent and hygienic food preparatory surroundings.



URBAN OR RURAL SETTING

Such units can be electrically run or use gas apparatuses. We also provide canteens to cater from 6 to 200 people, fully furnished with steel tables and benches or chairs.

The environmentally friendly food outlets we manufacture are ideal for high-density applications, provided they are placed in the right spots, and with the approval of the authorities. They can be branded in the clients' own style and logos, which are professionally done to capture the customers' target audience.

DINING UNITS



Dining Hall Containers are particularly preferred at work-sites of construction companies, for their practical & comfortable use.



PRODUCT DETAILS

Pleasant meals can only be experienced at ergonomic and hygienic spaces.

We construct dining units in accordance with international standards for construction sites, large-scale events, seasonal and permanent recreation areas, resorts, hospitals, schools, exhibitions and military camps.

Following production of modules in our technologically equipped facilities, the modular dining units are erected by our expert installation team, and delivered turnkey in a short period of time. Our modular kitchen units are well-insulated



KEY FEATURES

- ❖ Stainless Steel Kitchenette
- ❖ Energy Efficient Internal Lighting
- ❖ Insulation and Split System Reverse Cycle Air Conditioning
- ❖ Hot and Cold Water
- ❖ Various Configurations To Suit Your Needs

SITE CANTEENS



We provide a safe, warm and secure place to unwind at a busy site. With available water heater, sink and work surfaces.



THE PLACE TO TAKE A BREAK

The Canteens we provide are mostly used in conjunction with kitchens, where a number of people can be seated around tables, with some entertainment being provided in the form of music systems and / or television sets.

Such units are fully insulated, fitted with air conditioners and easy to clean floors.

Accessories such as washing troughs, hand basins, serving hatches etc., can also be fitted in these units to make them as environmentally friendly as possible. As mentioned before, we are not limited to the above-mentioned options only, but can do exceedingly more.



FEATURES

- ❖ Comes With A Sink, Worktop, Water Heater And Cupboards
- ❖ Furniture and White Goods Available On Request
- ❖ Reinforced, Safe and Secure Steel Structure
- ❖ Insulated Floor Covering
- ❖ Reinforced Doors With Secure Locking
- ❖ Lockable Window Shutters
- ❖ Combination Units Available

MULTI-SPAN STRUCTURES



ISO units can be stacked securely & safely, and are a favoured option for modern day site managers.



CONTAINER STACKING

Modern construction sites are often small, and therefore it is necessary to maximise every bit of space that you have for your site accommodation units, by container stacking. SECO understand this, and that is why we build our units so that they can be double stacked to optimise ground space, and fully utilise the useable area on site. We have based the majority of our site cabins on the 20' x 8' ISO Shipping Container Model. Using shipping container conversions for our site accommodation units means that they are perfect for container stacking, as they have an ISO container frame, and ISO corner casts to easily and securely lock the containers together.



PRODUCT DETAILS

Stacked units are approved on all major construction sites, and many of the main contractors will stack their own units too. We consider our containers and cabins to be the most secure, as we use container conversions to ensure the units sit flush on one another, and are therefore completely safe.

HOW DO THE STAIRCASES WORK?

SECO uses tread steel staircases which have a landing platform, and steel legs that meet the floor. The landing platform has railings all the way around the sides, and down the steps, and it is connected to the base of the stacked cabin.

RECREATIONAL UNITS



The perfect way to introduce new members to your Gym, before going into bigger classes or crowded free weight areas.



GYMS

Outdoor training is a popular concept within the fitness industry, but one downside can be finding a suitable place to work out that has somewhere secure to keep your equipment. You may find the perfect hub, but the outdoor space might not be great. Shipping container modifications mean that you can combine storage and a workout zone in one, in the perfect location.

If you're considering taking your health and fitness to the next level, and building a home gym or opening a gym, you might be interested to learn more about shipping Container Gyms as a viable option.



DESCRIPTION

Enjoy the benefits of outdoor training in natural surroundings

- ❖ Everything comes packed in a standard shipping container
- ❖ The rig is galvanised, meaning you can leave it permanently set up in any weather condition
- ❖ Train up to 60 people at a time with clever programming
- ❖ Standard equipment pack featuring over 150 pieces

MIXED-USE UNITS



Very popular, as they offer a greater degree of flexibility and accessibility, allowing you to cater for customers with various needs.



ABOUT COMBINATION UNITS

More often than not, space is a premium, and to efficiently maximise the available space on site, it is necessary to use combination units. That is why we have designed and built a range of stackable combination units that offer the full site set-up on a smaller scale.

Our Combination Units include the following:

OFFICE / STORE (50/50)

The Office / Store (frequently referred to as a 50/50 or fifty/fifty) is the most common combination unit in the portable accommodation industry.



OFFICE / CANTEEN (60/40)

The Office / Canteen is a perfect solution for a small site. It features a 64 sq ft office, suitable for a site manager, as well as a 12' x 8' canteen, suitable for 4-6 personnel.

CANTEEN / DRY ROOM (70/30)

This is a very popular unit with the oil and gas industry, as it provides a 14' x 8' Canteen room, as well as a small drying room, which is imperative on marine and rig sites. This combination unit is frequently used with a 20' office on top, to allow site managers adequate work and meeting space.

POP-UP UNITS



These Units often operate from a private home, former factory, existing restaurants or similar space, and during Festivals.



PRODUCT DETAILS

From conceptualization, planning, and material sourcing to building, delivery, and installation, we know that even the smallest details can have a huge impact, which is why we at SECO have a dedicated team to help you fulfill your dream.

The unique combination of security, mobility, and easy modification are large draws for the shipping container building style. Shipping containers are also the ultimate option for customizable mobile spaces, ideal for festivals, events, or pop-ups that will need to move from area to area without a permanent location.



SOLUTIONS

- ❖ Coffee Shops
- ❖ Specialty Retail Stores
- ❖ Bars
- ❖ Fish Shops
- ❖ Convenience Stores
- ❖ Mobile Showrooms
- ❖ Restaurants

REMOTE WORKFORCE HOUSING SOLUTIONS

Addressing the Remote Workforce Housing needs of any temporary facility is a customized experience. Whatever your project requires, we can provide or find the right Containerized Solution.

The important things are that your housing is conducive to the climate, space available, local permitting, foundation, and comfort requirements you request. There are many options available, and we will work with you to determine the best approach. It is also important that the housing identified

meets the needs of the client. It is not in anyone's best interest to offer an assembly line solution "off the shelf" that will require significant setbacks in the future.

- **Accommodation Solutions:** Staff accommodation units with either multiple beds per container unit, single beds per room or both options .
- **Ablution Blocks:** With bathroom stalls, urinals (customizable).
- **Dining Units:** Staff dining hall.
- **Storage and Locker Room Container**
- **Laundry Units:** Laundry room complete with required appliances to make it functional.
- **Container Kitchen:** Industrial kitchen for mass dining needs.
- **Container Dispensary**



SUPPLY OF CONTAINERIZED ACCOMMODATION UNITS



LOCATION: SOMALIA

UNITS: 210

**CLIENT: UNITED NATIONS
SUPPORT OFFICE FOR AMISOM**

SECO recently completed the supply of 210 Containerized Accommodation Units to Mogadishu, Somalia.

The client needed a solution which would allow for zero on-site preparation works, and the shortest possible lead time. With Mombasa having one of the quickest shipping times to Mogadishu, our team in Mombasa started working on the design and construction of a fully fitted, "plug and play" camp.

The modules were supplied and delivered to Mogadishu, fully fitted with furniture, bedding, appliances and everything needed for the staff to move into comfortable living spaces immediately.



SUPPLY OF ASSORTED CONTAINERIZED UNITS



LOCATION: TURKANA, KENYA

UNITS: 50

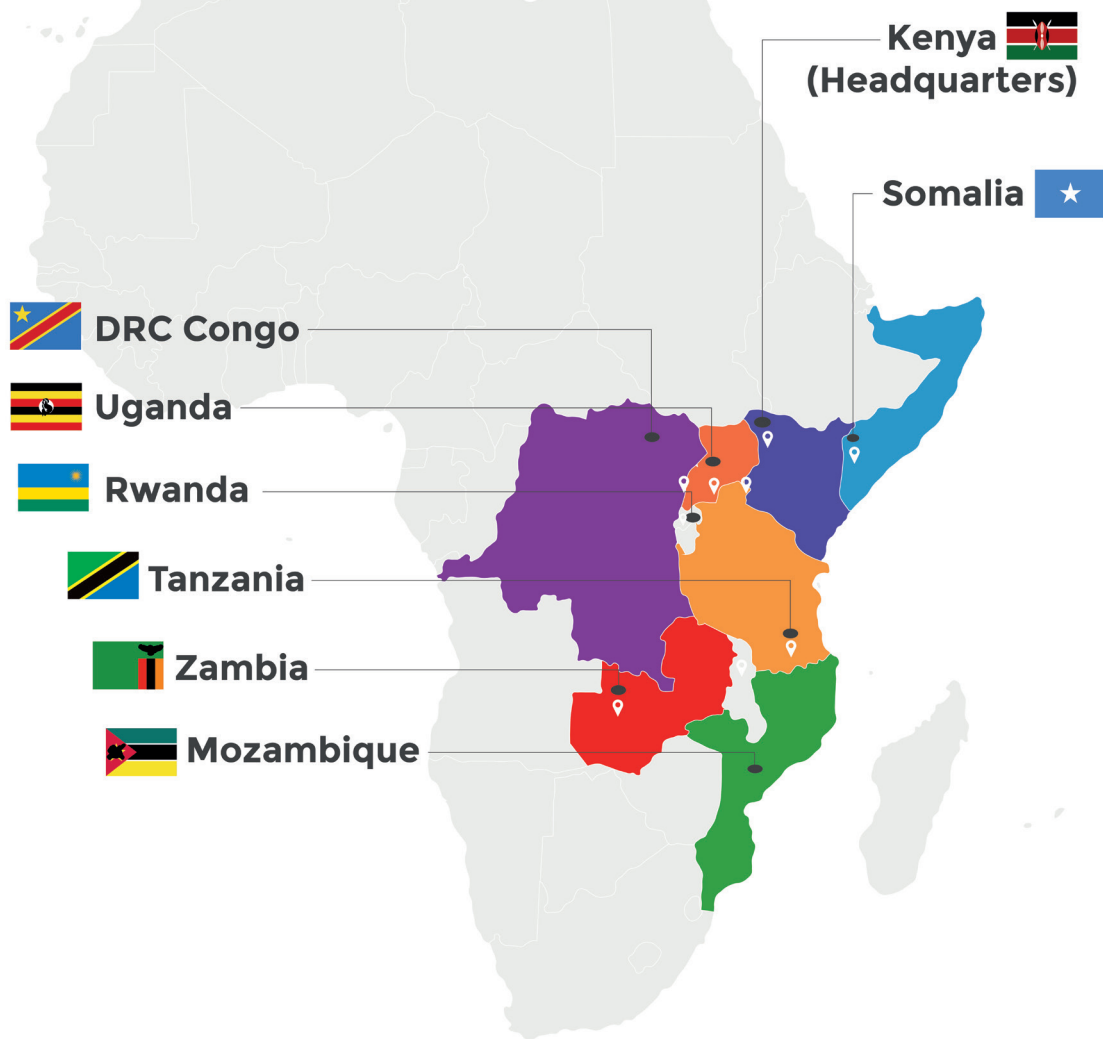
CLIENT: LAKE TURKANA WIND POWER PROJECT (LTWP)

SECO recently completed the supply of 50 Containerized Units to Loiyangalani, Turkana, Kenya. The units included:

- ❖ Ablution
- ❖ Accommodation
- ❖ Kitchen
- ❖ Storage
- ❖ Gym

The client needed a solution which would allow for zero on-site preparation work, and the shortest possible lead time. Our team in Mombasa started working on the design and construction of a fully fitted, “plug and play” camp. The modules were supplied and delivered to Loiyangalani, fully fitted with everything needed for the staff to move into comfortable living spaces immediately.





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