Camp and civilian modules

housed in ISO containers

Kitchen | Sanitation | Laundry | Waste treatment | Water treatment
Office/Training center | Campuses | DNV units | Special purpose units

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CSI Head Office
Porsgrunn, Norway

CSI HQ in Norway Camp Supply International (CSI) produces high-quality, container-based solutions for a wide range of camp and civilian infrastructure requirements. We supply specially designed and equipped units for kitchen, sanitation and laundry use, as well as living quarters, office space, laboratories, workshops, kennels and special-purpose units. We also supply water purification and storage systems, waste incinerator systems and various reefer systems. All our containers may be equipped with a specially developed levelling system that enables optimal height adjustment in the field. For off-shore use we also supply special command centers, offices and launch/ recovery units.

CSI employees are all highly experienced in their particular fields. Through participation in peace-keeping and disaster relief missions in Bosnia, Kosovo, Macedonia, Africa, Afghanistan, various locations in the Caribbean, Australia and northern Europe, our company has amassed a wealth of expertise in war-zone and austere-environment working methods. This includes design, production, service, maintenance, logistics and security, as well as project planning and implementation to extremely tight deadlines.

The ability to improvise and think "outside the box" is one of CSI's major strengths. We keep up to date with new developments and relevant advances within our industry. Our company's ownership structure and financial stability guarantee maximum reliability and optimal deliveries. CSI is certified according to the latest ISO 9001 and ISO 14001 standards.

CSI is a chosen supplier for NATO

The NATO Support Agency (NSPA) is the executive body of the NATO Support Organization (NSPO), to which all NATO member nations and partner countries belong. The NSPA brings NATO's logistics and procurement support activities together in a single organization. Following contract negotiations, where vendor companies must stipulate their lowest fixed prices, the NSPA allows selected companies to become preferred suppliers to all NATO members and associated countries. Countries ordering NATO/NSPA approved products do not have to follow normal procurement procedures, since prices have already proved competitive through negotiations with NATO/NSPA. Only NATO/NSPA approved companies are permitted to be suppliers. CSI is an approved and selected supplier of containerized shelters, CAGE code N5082.

CSI factory in China

In addition to production facilities in Norway, CSI has a factory in Changzhou, approx. 1 hour west of Shanghai (by Bullet train). CSI products can be manufactured in both China, European locations and Norway, or a combination. The quality of our products is the same regardless of their country of origin.

CSI's Chinese plant was completed in 2009 and is operated by the wholly-owned subsidiary CAMP SUPPLY ASIA (CHANGZHOU) CO.,LTD.

The factory is well situated for effective transport and shipping. It has direct access to the Shanghai-Nanjing Expressway and Lianshan Expressway. The Changzhou Yangtze port is a first-class facility accessible to vessels weighing over 30,000 dwt. The Changzhou airport offers flights to several destinations, including Beijing, Guangzhou, Shenzhen, Tokyo and Bangkok. The city is on the main Shanghai-Nanjing railway line, and several long-distance trains per day stop at Changzhou Railway Station. The Bullet train takes 1 hour to reach Shanghai, from where most countries worldwide may be reached.

Kitchen Containers

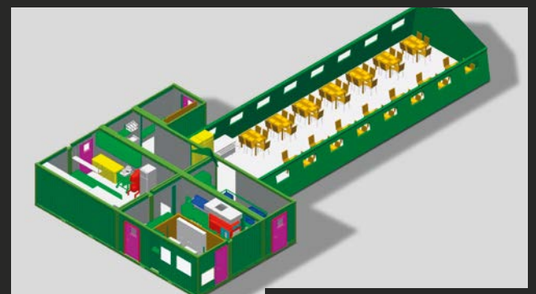
NATO STOCK NUMBER (NSN): 8145-25-1519743 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10

6-container kitchen, hot section

The CSI container-based kitchen concept offers an optimized solution in terms of mobility, hook-up, functionality and service. Our modular kitchens are tailor-made for rapid and flexible expansion or relocation. All interior walls, ceilings and floors are clad in stainless steel to ensure compliance with the strictest hygiene requirements under field conditions. The floors also feature grated drains for easy cleaning.

Our kitchen solutions can be adapted to most military requirements, as well as the needs of civilian users such as aid organizations and construction firms.

The kitchens come in different sizes (1-, 2-, 3-, 4-, 6-, 8- and 10-container solutions), with the largest of these capable of feeding up to 3,000 people.



Kitchen with attached mess tent

The set-up time for a 4-container kitchen is roughly 10 hours for two people.

After use, the containers can easily be disassembled and transported for deployment elsewhere, or they can be stored until needed again.

Hygiene / Safety

Peacekeeping forces are constantly being deployed to remote and challenging locations. The threat posed by contagious diseases spread by parasites, microorganisms and viruses has dramatically worsened in recent years. We have addressed these challenges by utilizing air-optimized systems and UVC microbicidal protection in our container-based kitchens (optional). All kitchen equipment and fittings have been selected to provide maximum access for cleaning, and all statutory and regulatory requirements have been met and fully documented.

UVC – effective against microbes

UVC microbicidal protection

UVC is an effective and well-documented means of disinfecting air, surfaces and water. While “smart” microbes can develop a resistance to antibiotic and chemical agents, no such problems are associated with UVC disinfection. Low-pressure UVC sources are used in disinfectant applications.

Ultraviolet radiation, often called UV light, is measured in nanometers(nm) and is divided into three wavebands: UVC (200-280 nm), UVB (280-320 nm) and UVA (320-400 nm). The shorter the wavelength the higher the energy. The 254 nm wavelength in the UVC range has the strongest microbicidal effect, since it damages the microbes’ genetic material, preventing them from reproducing.

The technology has been developed to comply with the strictest bio-safety guidelines (level P4) formulated by the Center for Disease Control (CDC) in the USA and the World Health Organization (WHO).

To our knowledge, CSI is one of the few companies worldwide using UVC technology in field kitchens. It can also be installed in our sanitation and laundry containers.

Robust under extreme climate conditions

All our containers are designed and constructed to withstand temperatures ranging from -46 °C to +49 °C. We use from 100 mm to 200 mm of insulating material to ensure our containers meet this demanding specification. The water pipes are fitted using self-regulating, electrically heated “pipe-in-pipe” systems. Drainpipes are all made of stainless steel, and the container air intakes are equipped with sand and snow traps to cope with extreme weather conditions.

4-container kitchen, hot section

2 container kitchen

2-container field kitchen

Lenght (total)	6058 mm
Width (total)	5476 mm
Height	2591 mm
Weight (total)	12 000 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾”
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 50 Hz, 3P+N+E
Power consumption	80 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

A new standard in field kitchens is now available. Based on our years of front-line experience, we have developed a turnkey field unit made up of just 2 standard containers, which is capable serving up to 500 people and requires only 4 hours to set up.

All the interior walls, ceiling and floor are clad in stainless steel to ensure compliance with the strictest hygiene requirements under field conditions. The floors also have grated drains for easier cleaning.

The kitchen equipment has been designed to provide maximum access for cleaning, optimal efficiency and ease of operation. Our CSI container-based solutions are adapted to meet the requirements of both military and civilian users. The 2-container kitchen unit is powered by an external power supply, which delivers 400V 3-phase via a connector (on the short side). The standard current is 3x400V/50Hz, but other voltages can be supplied on request. The container’s electrical system complies with the STANAG 4133 and 4135 standards. All equipment used in CSI units is CE-approved.

For extra indoor space, the two containers are connected using a 600 mm extension channel, where most of the technical installations are placed for easy access.

The kitchen requires two 20-foot standard 1CC containers built to ISO 668. Complies with the STANAG 4370 requirements.

Our integrated levelling system is optional.

Features

- **Low environmental impact in both**
- **production, transport and operation**
- **Flexible AC unit for all climate zones**
- **placed outside the unit**
- **Solid stainless steel plates in walls and ceiling**
- **Solid non-slip floor**
- **Low-energy LED lights**
- **Levelling system for each corner post**
- **Integrated water, electricity and ventilation systems concealed inside the container walls**

3 container kitchen

3-container kitchen

Lenght (total)	6058 mm
Width (total)	7314 mm
Height	2591 mm
Weight (total)	17 300 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾”
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 50 Hz, 3P+N+E
Power consumption	80 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

The 3-container kitchen is a freestanding kitchen facility, housed in 3 standard ISO 20-foot containers connected in a row. The unit provides a professional kitchen environment, is spacious, and offers defined hot and cold food preparation areas. The kitchen features an integrated AC unit, extractor fan and electric heater. It is fully insulated and can withstand temperatures ranging from -46°C to +49°C.

The kitchen has the capacity to produce meals for up to 600 people.

In keeping with the CSI standard, the 3-container kitchen is fitted out with stainless steel units (shelves, cupboards, etc, may be adapted to suit most requirements) and professional quality food preparation equipment. The extensive use of stainless steel makes it easy to clean, and ensures compliance with public hygiene regulations. For additional peace of mind, UVC microbicidal technology may be installed as an optional extra.

The kitchen’s interior is designed to make the most efficient use of the space available. There is even room for a single hood washer. However, if more extensive dishwashing facilities are required, an additional container will be necessary.

The 3-container kitchen unit is powered by an external power supply, which delivers 400V 3-phase via a connector (on the short side).

The set-up time for a 3-container kitchen is roughly 10 hours for two people.

4 container kitchen

4-container kitchen, hot area

Vegetable preparation area

Levelling system

Lenght (total)	12116 mm
Width (total)	4876 mm
Height	2591 mm
Weight (total)	26 650 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾"
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 50 Hz, 3P+N+E
Power consumption	(-46°C) 203 kW
Power consumption	(-20°C) 168 kW
Power consumption	(+5°C) 138 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

6 container kitchen

6-container kitchen, hot area

Dish washing area

6-container kitchen, cold area

Lenght (total)	12116 mm
Width (total)	7314 mm
Height	2591 mm
Weight (total)	38 650 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾"
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 50 Hz, 3P+N+E
Power consumption	262 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

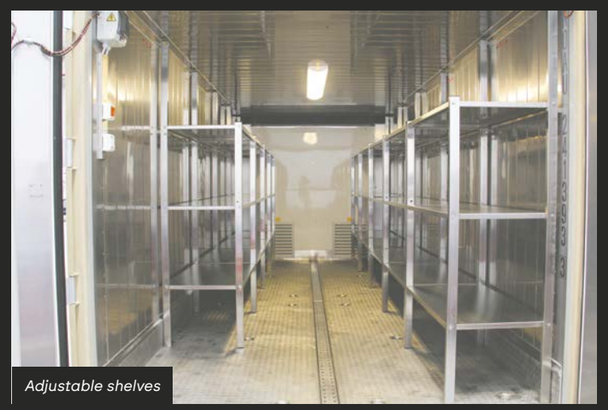
Reefer container

NATO STOCK NUMBER (NSN): 8145-25-1606167 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10

Reefer container built for the Norwegian Army, delivered in 2011

A combination of cooling and freezer in one unit

CSI reefer containers have been specially designed for the safe refrigeration, freezing and storage of food, and for easy access and cleaning.



Adjustable shelves

Unit for the Swedish Army with hook lift

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	4 300 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	-
Water connection	-
Insulation wall/ceiling	Polyurethane
Insulation floor	Polyurethane
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	7 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

The reefer unit can be supplied with different specifications and room sizes as required by the individual customer. It may be powered by electricity alone or a combination of electricity and diesel. An optional integrated hook lift is also available.

The entire interior is clad in high-quality stainless steel. A 3 mm thick stainless steel non-slip floor is offered as standard. The floor slopes down to a central linear drain for ease of cleaning.

The CSI containers can be transported by air, sea, rail or road as a standard shipping container.

When no longer needed, the containers can quickly be disassembled and transported for deployment elsewhere, or stored for later use.

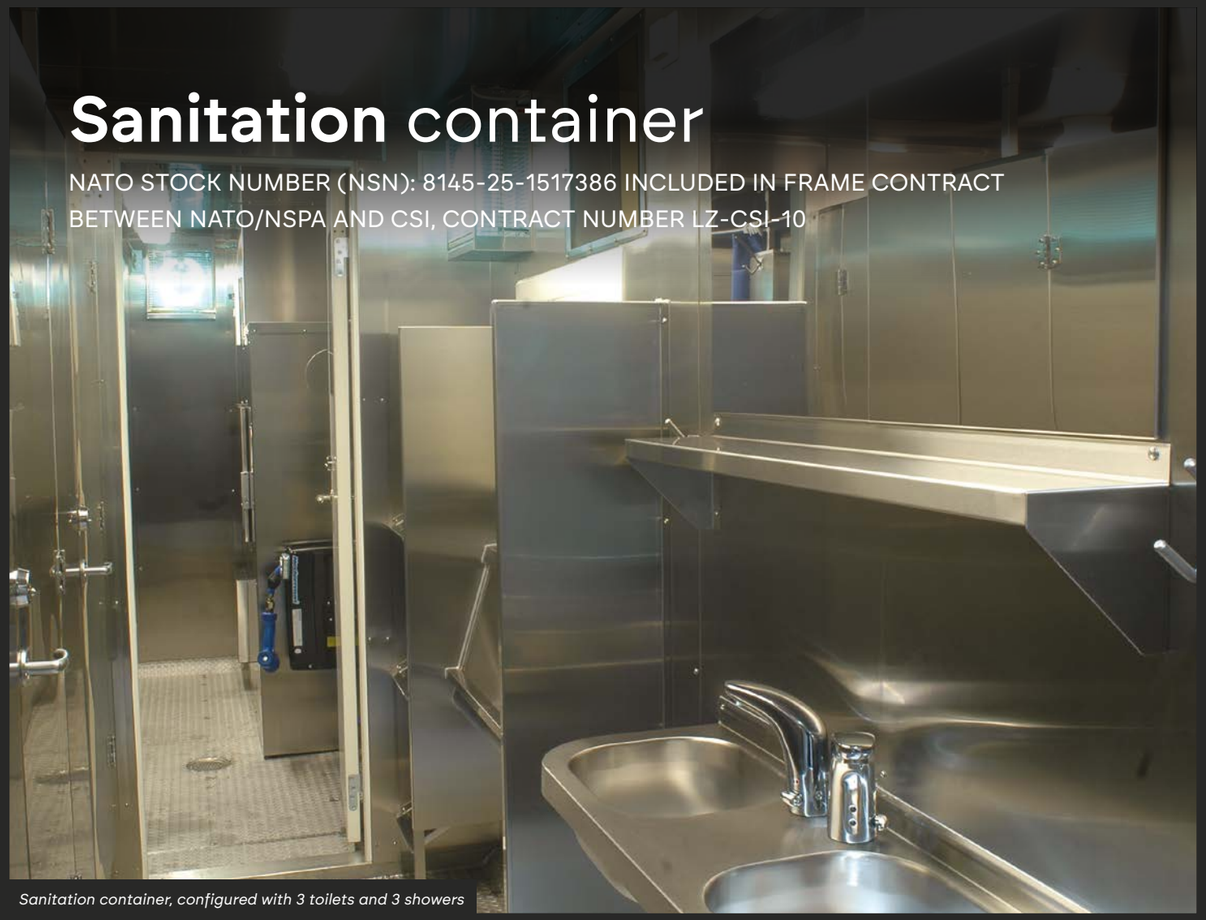
The set-up time for the container is roughly 1 hour for 2 people.

Standard configuration features

- **20-foot 1CC container, built to ISO 668**
- **CSC certified**
- **20 anchor points, in accordance with ISO 1496 standard**
- **Cargo securing points are constructed to carry loads of 1,000 kg, in accordance with ISO 1496 standard (F2.5 and F2.5A for 1CC container)**
- **The floor can withstand use of a pallet jack (2,000 kg)**
- **The floor and drain channels can be removed easily for cleaning**
- **Self-adjusting heating cables inside ceiling panels above all doors to prevent the doors from freezing solid when in use (optional)**
- **The shelves are made from 1.2 mm thick Aisi 304 stainless steel**
- **The shelves are stacked in 4 heights along both of the container's long sides. The shelves are 55 cm deep and can withstand a load of at least 200 kg per metre (optional)**
- **The shelves are foldable both up or down independently of the other shelf sections (optional)**

Sanitation container

NATO STOCK NUMBER (NSN): 8145-25-1517386 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10



Sanitation container, configured with 3 toilets and 3 showers

The container is divided into two sections, one with toilets and washbasins, the other with showers. There is a separate technical room for the water treatment system, hydrostatic system and water heater.

All of the fixtures are made of stainless steel. This product comes in different configurations, such as 3 showers/3 toilets or 6 showers/6 toilets.

When designing the CSI sanitation container, our goal was to create an environment that was pleasant to use, hygienic and operationally robust. The unit therefore features grated floor drains and toilets that are wall mounted for easier cleaning.

For hygienic reasons, the shower stalls are self-contained, with separate drains to prevent water entering from the neighbouring stalls.

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	4 300 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	-
Water connection	-
Insulation wall/ceiling	Polyurethane
Insulation floor	Polyurethane
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	7 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

In the standard model all the interior walls, ceiling and floor are clad in stainless steel. The fixtures, too, are made from stainless steel. This is a particularly robust material and capable of withstanding strong cleaning agents and disinfectants.

The CSI sanitation unit comes in several different versions. Integrated water treatment, UVC disinfection and levelling systems may be installed as optional equipment. All units are made from standard 20-foot CSC containers.

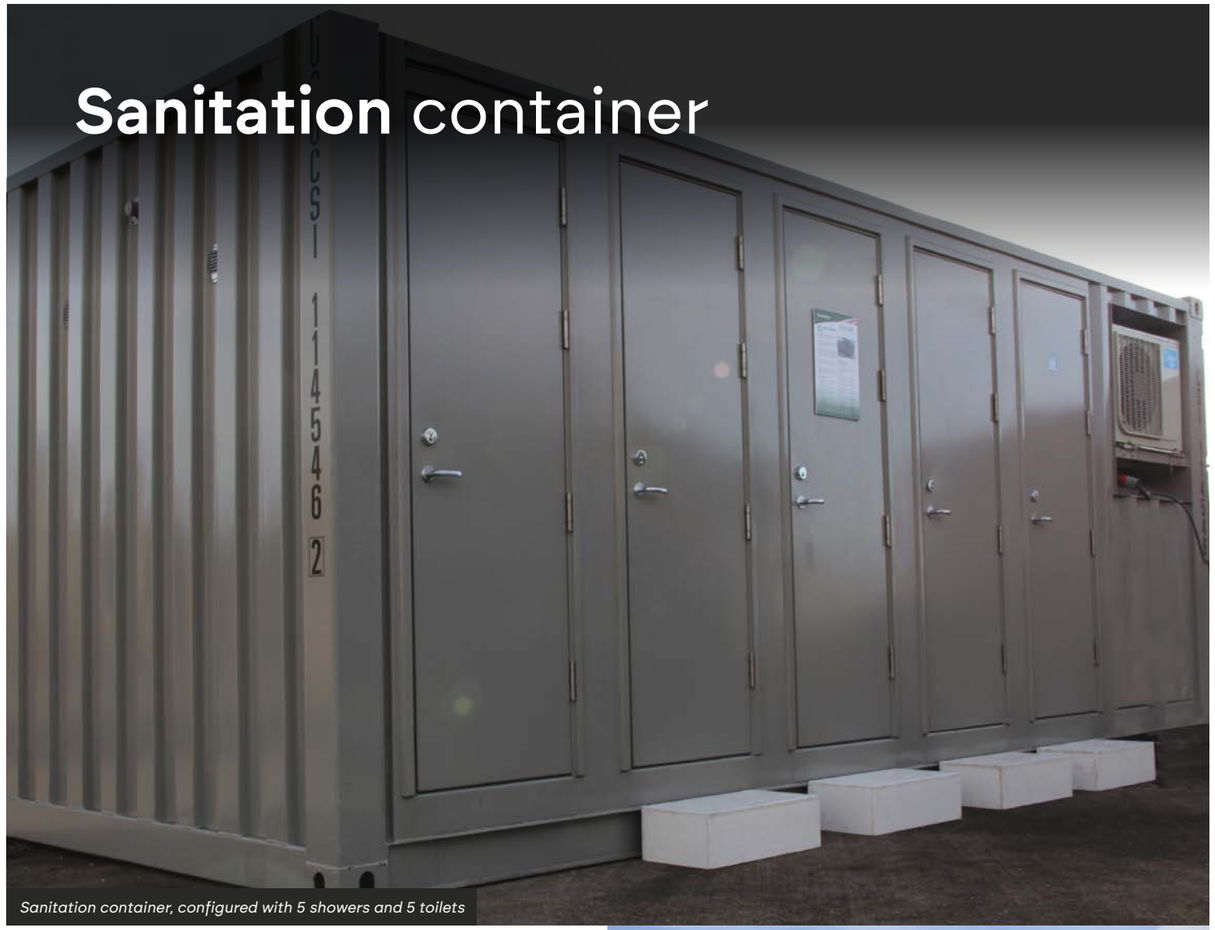
Toilet Section

- **3 toilets**
- **2 washbasins**
- **1 urinal**
- **2 mirrors with shelves**
- **Air-conditioning**
- **Heater**
- **Bug zapper**
- **Extractor fan and various fixtures and fittings**

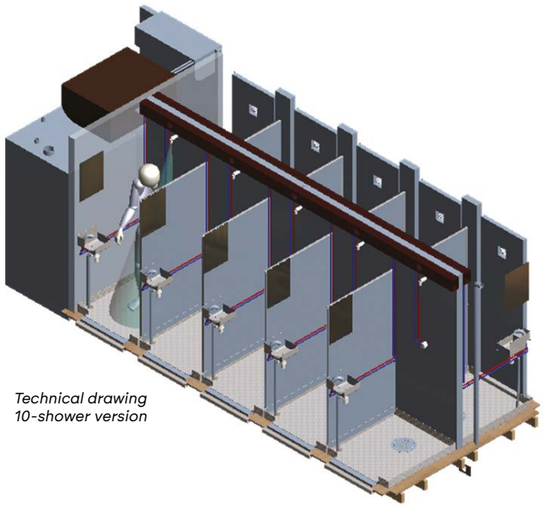
Shower Section

- **3 shower stalls**
- **2 washbasins**
- **2 mirrors with shelves**
- **Water treatment system (water softener)**
- **Water heater**
- **hydrostatic system (water pressure pump)**
- **Air-conditioning**
- **Heater**
- **Bug zapper**
- **Extractor fan and various fixtures and fittings**

Sanitation container

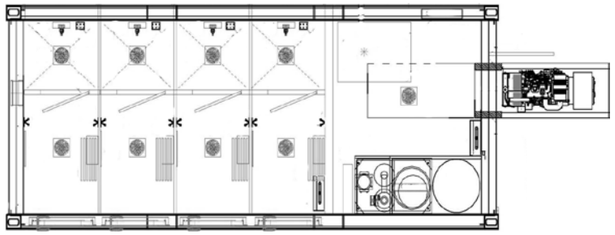


Sanitation container, configured with 5 showers and 5 toilets



Technical drawing
10-shower version

Shower section



Built in generator

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	5 900 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾”
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	7 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

Toilet section: Each toilet is in a separate cubicle with its own door.

Each toilet cubicle contains a toilet, urinal, toilet paper holder, washbasin and clothes hook, all made of stainless steel. In addition, the container has a separate technical room with entrance through double doors on the short side of the container.

Shower section: Each shower is in separate cubicle with its own door.

Each shower cubicle contains a washbasin, mirror, clothes hook, wall-mounted folding chair, dry zone for change of clothes, shower curtain, soap-shelf and shower. The water pipes are fitted using self-regulating, electrically heated “pipe-in-pipe” systems. The complete section is made of stainless steel.

Technical room: In addition, the container has a separate technical room with entrance through double doors on the short side of the container.

The technical room contains a water heater, water tank, pumps and AC.

Optional configurations: Different configurations are available with showers and/or toilets. Maximum 10 cubicles, each with separate entrance door. All models may have built-in generator.

Toilet Section

- **5 toilets**
- **5 washbasins**
- **1 urinal (optional)**
- **5 mirrors with shelves**
- **Integrated ventilation with AC and heating**
- **Bug zapper**
- **Extractor fan and various fixtures and fittings**

Shower Section

- **5 shower stalls**
- **5 washbasins**
- **5 mirrors with shelves**
- **Water treatment system (water softener)**
- **Water heater**
- **Integrated ventilation with AC and heating**
- **Hydrostatic system (water pressure pump)**
- **Bug zapper**
- **Extractor fan and various fixtures and fittings**

Low energy sanitation container

Shower section

Wind generator

Solar heated water tank

Our brand new Low-Energy Sanitation Container is based on our existing sanitation models, but has been refined for improved environmental and energy performance.

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	6 000 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾”
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	(Optimal sun/ wind) 3 kW
Power consumption	(-46 °C) 9 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

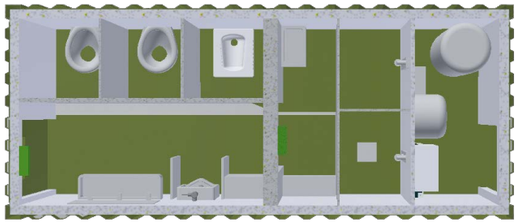
Our front-line experience has resulted in an optimal solution with regard to mobility, hook-up, functionality and service. Our sanitation containers are tailor-made for fast and flexible expansion. Our container-based solutions can be adapted to meet all military requirements, as well as the needs of civilian users such as aid organizations and construction firms.

The set-up time for sanitation containers is 2 hours for 2 people. The system is designed to last for more than 20 years of day-to-day camp use. The containers can quickly be disassembled and transported for deployment elsewhere, or stored for later use.

Our Low-Energy Sanitation Container utilizes innovative solutions for recycling grey water from showers and washbasins. Effective vacuum toilets that save precious water have also been installed.

Features

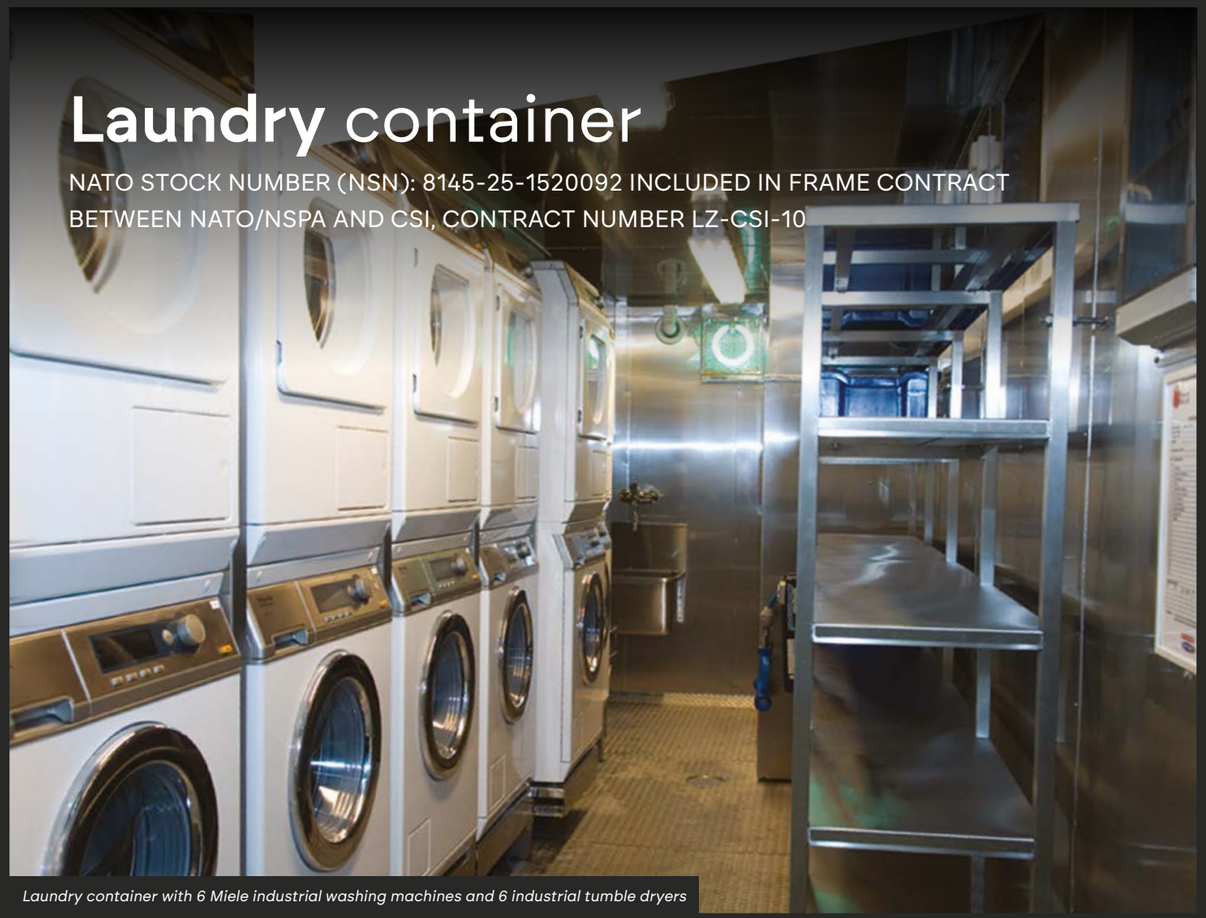
- **Solar panels**
- **Wind generator on the roof to save energy**
- **Flexible water sources. Solar-heated**
- **2000-litre water tank on the roof in addition to conventional water heater**
- **80% water savings compared to existing models**
- **Vacuum toilet using recycled grey water**
- **Grey water from showers and washbasins is recycled**
- **All lights in the unit are sensor controlled to minimize electricity consumption**
- **Flexible solutions that meet our Customers' requirements**



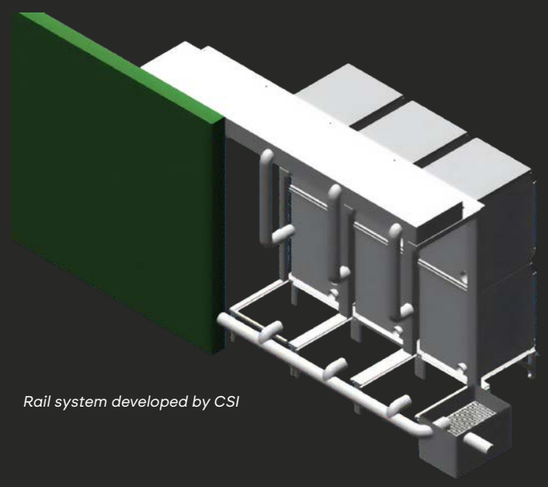
3D view of the LESC

Laundry container

NATO STOCK NUMBER (NSN): 8145-25-1520092 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10



Laundry container with 6 Miele industrial washing machines and 6 industrial tumble dryers



Rail system developed by CSI

Automatic soap dispensing system

Extendable rail system

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	7 500 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	50 mm
Water connection	¾”
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	48 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

A complete container-based laundry for approx. 125 people. Our cleverly designed mounting system allows the washing machines to be positioned 15 cm from the rear wall (the normal distance is 70 cm), with just 8 cm between them. This ensures optimal space utilization while minimizing the volume for transport.

Because 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 high-capacity 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.
Our containers are equipped with a proprietary levelling system that enables optimal levelling in the field (optional).

The set-up time for the laundry container is approx. 2 hours for 2 people.

When no longer needed, the containers can quickly be disassembled and transported for deployment elsewhere, or stored for later use. The container’s electrical system complies with the NEC 400 standard. All equipment used in CSI units is CE-approved. All appliances are connected to a corrugated pipe system concealed inside the container walls.

Features

- **20-foot 1CC container built to ISO 668 standard**
- **6 high-quality Miele industrial washing machines with automatic soap dispensing system (optional)**
- **6 high-quality Miele industrial tumble dryers**
- **2 air-condition units**
- **Extractor system**
- **Shelving system**
- **Water processing system (optional)**
- **Bug zapper**

Water treatment container

NATO STOCK NUMBER (NSN): 8145-25-1520092 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10

Water treatment system

We supply complete water treatment systems for entire camps. We also offer integrated solutions for our various products, such as kitchen, laundry and sanitation containers.

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	6 100 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	-
Water connection	-
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	4,9 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

CSI water treatment units include a hydrostatic system and a water softening system. A UV system and an emergency chlorination system are also available. These units are designed for continuous operation.

Ion exchange-based water softening requires raw water devoid of particles larger than 150 mu, since such particles could disrupt the decalcification process and result in downtime and/or poor water quality.

As a result, we include a particle filter with a screen mesh size of 130 mu.

Since the quality of the raw water in some areas may not require softening, it is possible to bypass this function if desired.

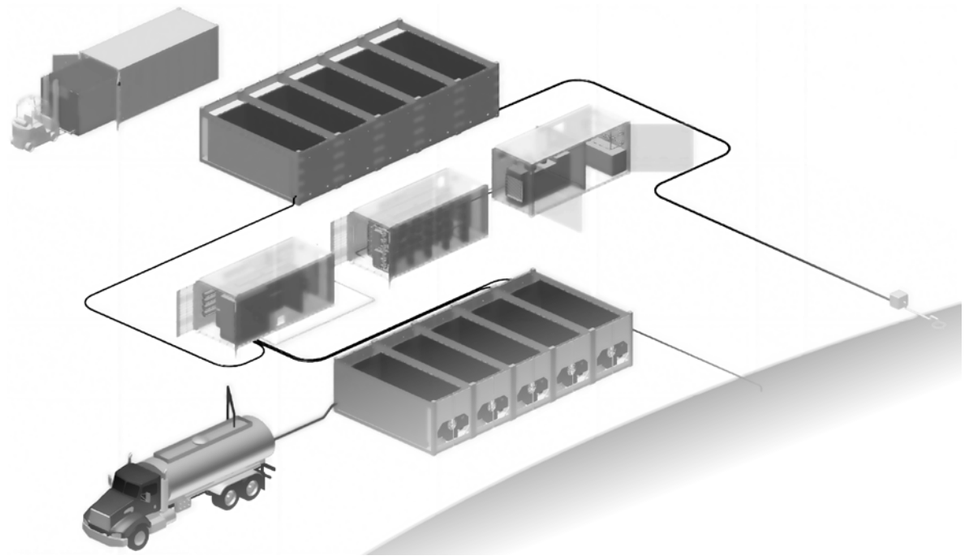
Food production requires a reliable supply of clean, uncontaminated water.

Reverse osmosis
We offer reverse osmosis as a water purification technology in our water treatment units. The technology can remove many types of molecules and ions from solutions and is used to produce safe drinking water.

The system is available in both 10” and 20” configurations.

Features

- **Particle filter**
- **Water softening bypass**
- **Reversed osmosis**



Water storage container

Water storage

Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	3 800 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	-
Water connection	-
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	4,9 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

CSI offers a wide range of water storage tanks

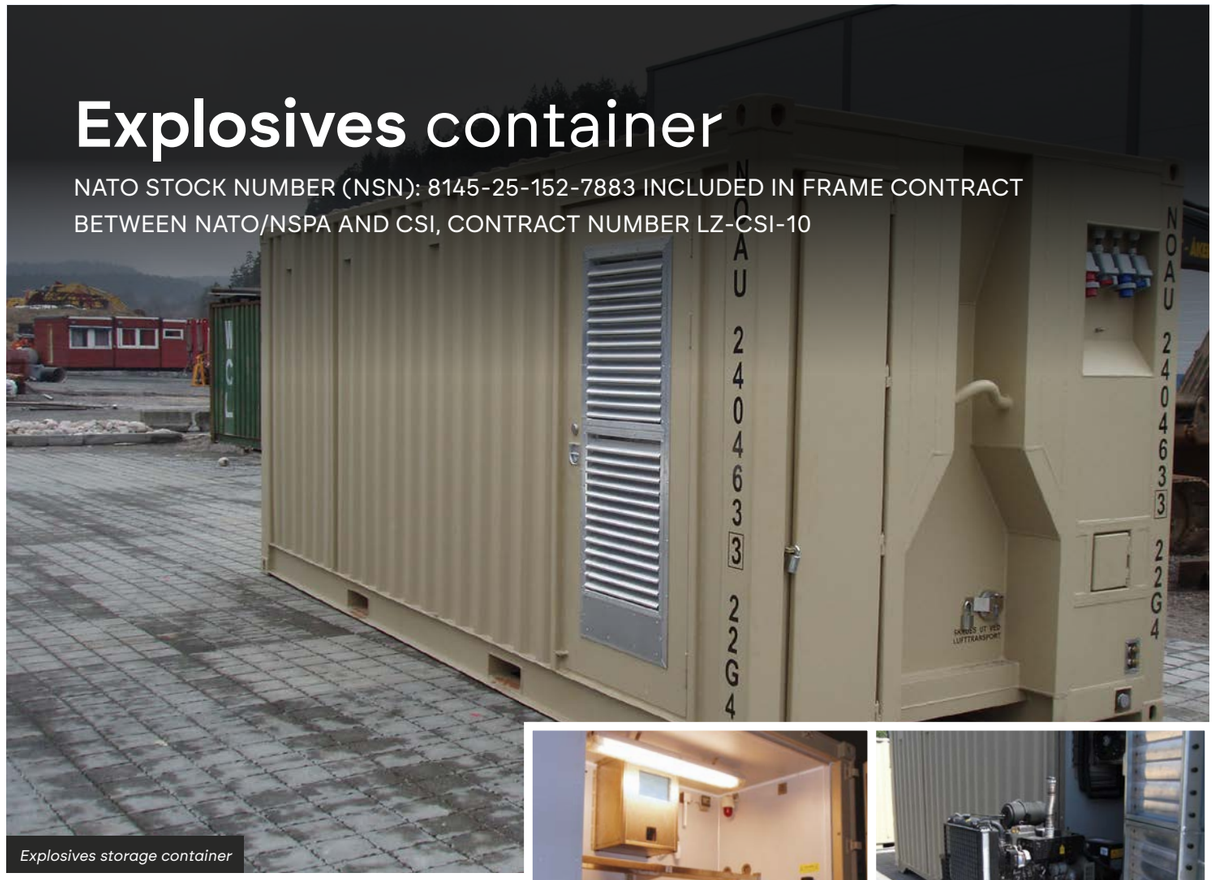
The standard tanks have a capacity of 20,000 litres, and are made of high-quality stainless steel. All our tanks are approved and certified as drinking water tanks and comply with the most stringent hygiene standards.

The units are delivered with an advanced temperature control system that regulates the water temperature, and contributes to low energy consumption. The water storage tanks are insulated and can withstand temperatures ranging from -46°C to +49°C.

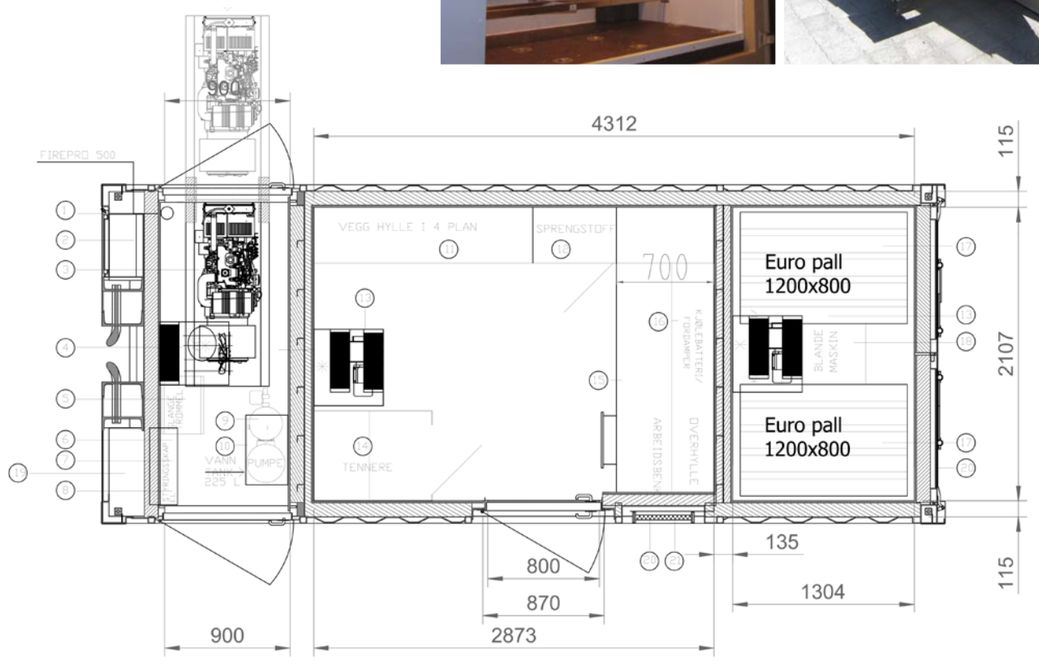
Our water storage units are easy to maintain, and can be configured for both parallel and serial connection.

Explosives container

NATO STOCK NUMBER (NSN): 8145-25-152-7883 INCLUDED IN FRAME CONTRACT BETWEEN NATO/NSPA AND CSI, CONTRACT NUMBER LZ-CSI-10



Explosives storage container



Lenght (total)	6058 mm
Width (total)	2438 mm
Height	2591 mm
Weight (total)	16 000 kg
Color	Customer specified
Construction	20-foot ISO 668 1CC (CSC certified)
Drain connection	-
Water connection	-
Insulation wall/ceiling	100 mm Rockwool
Insulation floor	200 mm Rockwool
Electrical connection	400V, 32 A, 50 Hz, 3P+N+E
Power consumption	5 kW
Floor/wall/ceiling	Stainless steel (non-slip on floor)
Truck pockets	2pc x 255x80 mm

Our explosives storage container consists of a non-blast-proof technical room with integrated power plant, and two blast-proof compartments. One blast-proof compartment is for storing type A and B explosives, and is equipped with a mixer. The second compartment is for storing explosive charges and detonators, and also functions as a workshop equipped with a workbench and cabinet for tools and manuals.

The container can be run on external 230 volt or 400 volt power, but can also be run from the integrated power plant. The power plant can easily be removed with the aid of a specially designed rail system for service and maintenance. The container is equipped with an advanced alarm and monitoring system together with a notification system connected to satellite and GSM.

The container can be transported as an ordinary shipping container in accordance with NS-ISO 3874. It can be transported without any restrictions by air, sea, rail, civilian container truck/trailer and military truck with hook lift or flat rack. Fully loaded, the unit can be pulled straight onto a truck equipped with a hook lift of type Multilift MK IV. The container can cope with a tilt angle of 29 degrees in connection with loading/ unloading. The container's hook lift arrangement meets all relevant requirements in accordance with STANAG 2413.

The container can be stacked without restrictions, i.e. up to 9 containers high (192,000 kg). During transport nothing will protrude beyond the standard ISO container dimensions.

Statutes/regulations

- **Norwegian Working Environment Act – LOV-2005-06-17-62**
- **Norwegian Land Transport Regulations – FOR-2006-12-01-1331**
- **ADR Directive**
- **ATX Directive 99/92EF**
- **98/37/EC Machine safety directive**
- **73/23/EEC Low voltage directive**
- **89/336/EEC Electromagnetic compatibility**
- **EN 378 Cooling systems and heat pumps. Safety and environmental impact.**

Laboratory container

CSI supplies laboratory containers for the high-precision testing of materials such as steel, copper and aluminium (materialography).

These units can be built for both civilian and military use. The equipment needed for such testing is extremely vibration sensitive, and we have used NASA technology and materials to make the containers as vibration free as possible during transportation. CSI also supplies trailers for transportation of these containers by road.

The laboratory units are based on standard ISO containers made of steel, with 50 mm termite-resistant mineral insulation in the ceiling, walls and floor. The units are delivered with 2 sets of double-glazed aluminium-framed windows in the walls and 4 insulated personnel doors with matching windows.

There is a stainless steel sewerage system, and up to 4 air pressure and compressor outlets. The electrical system has standard current of 3x400V/50Hz, (different voltages may be supplied on request). Inside the walls there is a concealed system of corrugated pipes from the appliances to the electric socket at end points. The external cable will be H07RN-F or similar. This cable is an EPR insulated cable with a maximum operating temperature of 90°C. The cable is oil-proof and suitable for both indoor and outdoor use. All cables that are used externally have a reduction factor of 0.79 due to the high ambient temperatures (STANAG A1).

Radio Communication container

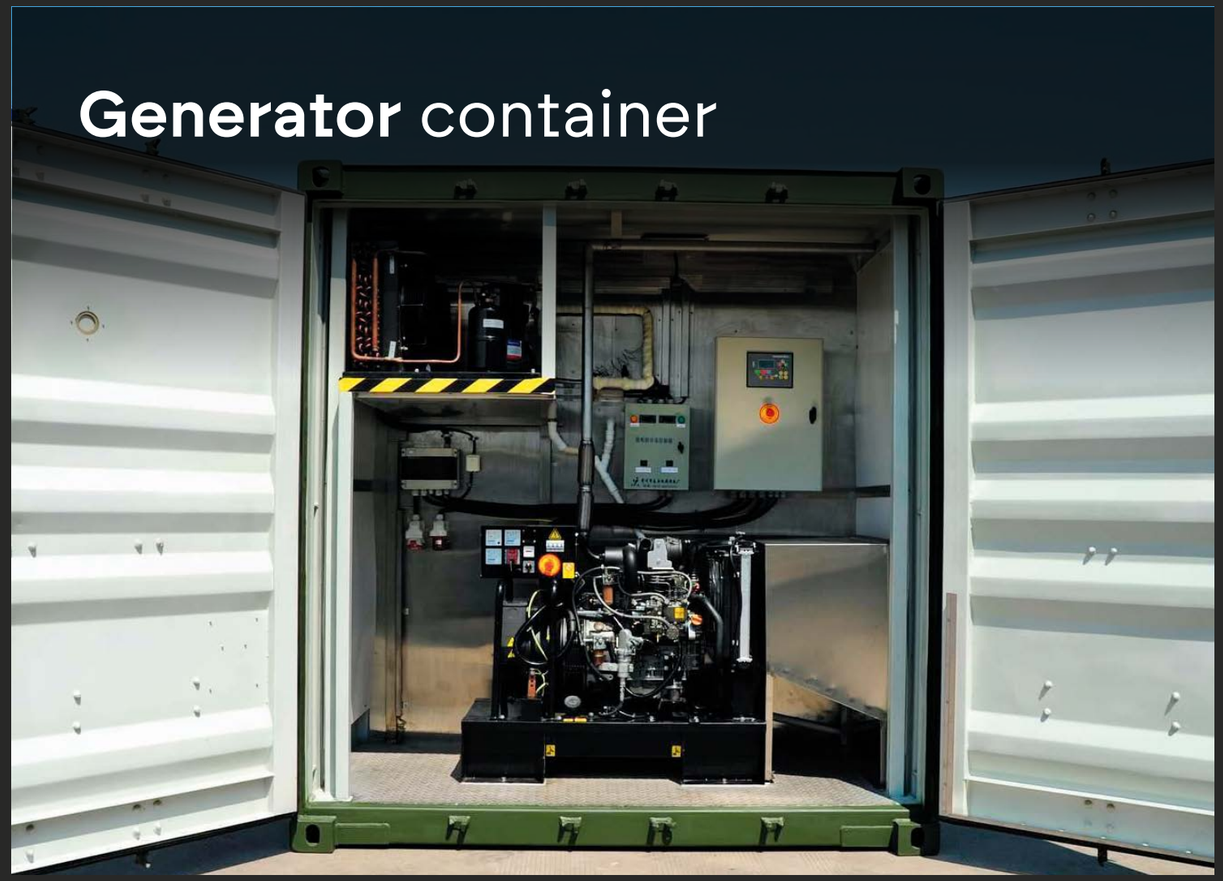
CSI builds standard 40-foot ISO containers to house radio communications systems.

The CSI radio container is a freestanding unit designed to function as a field/mobile radio communications centre. It is housed in a standard 40-foot ISO 668 container, with interior fixtures in stainless steel, making it reliable, robust and low maintenance.

Standard materials have been used in the container shell and interiors, and all fittings and components are off-the-shelf (COTS).

The interior has been equipped to withstand heavy wear and tear. Taking into account that the communications equipment itself produces a lot of heat, the radio container is fully air conditioned. In addition, electric heaters and extractor fans ensure a stable indoor climate under varying weather/ climate conditions.

Generator container



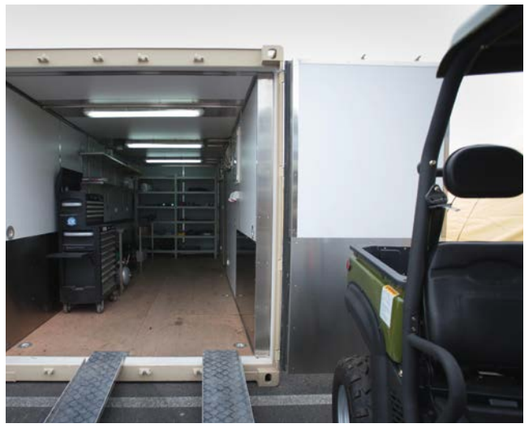
CSI can supply the power needed for any purpose large or small, including power distribution, electrical supply boards, sockets and wiring. We supply 50/100/125/250/500 and 1000 kWh in 20-foot containers. Each supply is tailored to the individual customer's needs.

Workshop container

CSI builds workshop containers for use worldwide in camps and storage facilities.

They are based on ISO/CSC-certified containers and may be adapted to most climate conditions. The units have dedicated space for tools, spare parts, compressed air tools, 1ph and 3ph electricity. There are adjustable workbenches.

Option: There is space for a small vehicle inside.



Oil bar and POL storage

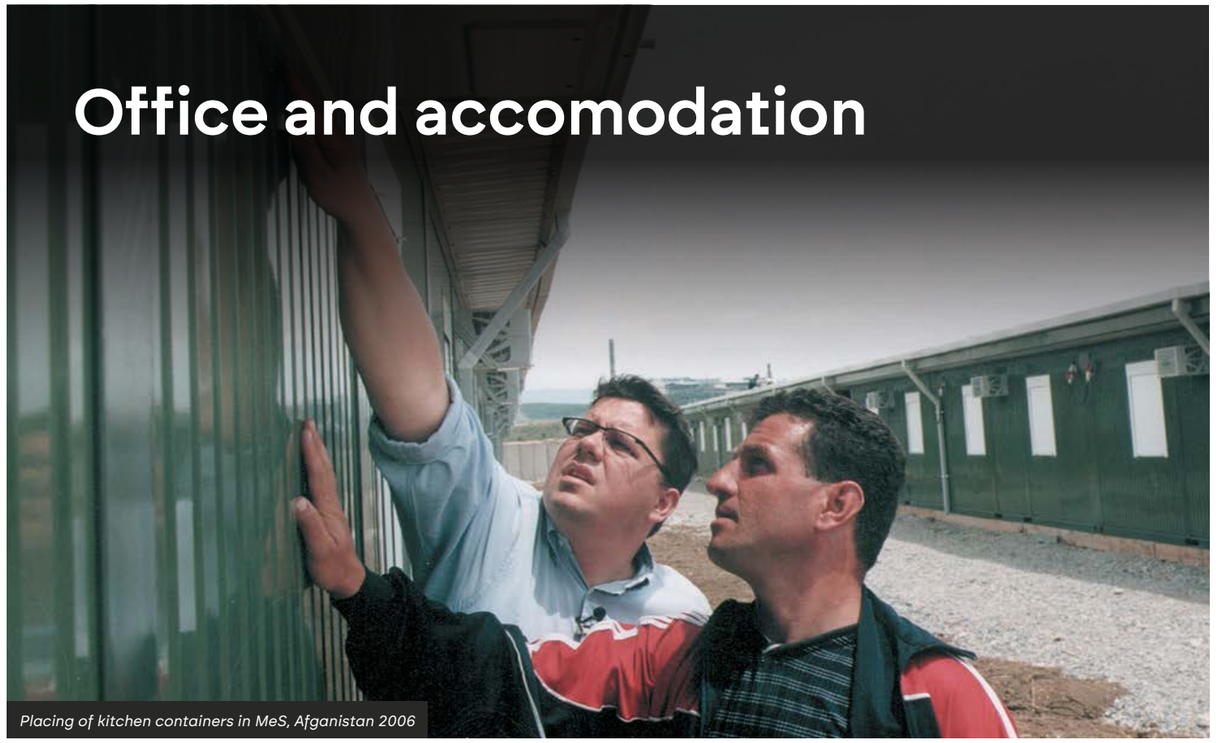
The oil bar and POL storage containers supplied by CSI are designed to handle extreme temperatures. All equipment is specially adapted to be non-explosive. The containers are certified as EX1 secure.

The oil bar container has a workshop where highly flammable liquids can be mixed and stored.

The POL storage container provides secure storage for highly flammable liquids, like oil, diesel and petrol/gasoline.

All electrical equipment in the containers runs on high voltage.

Office and accomodation



Placing of kitchen containers in MeS, Afganistan 2006

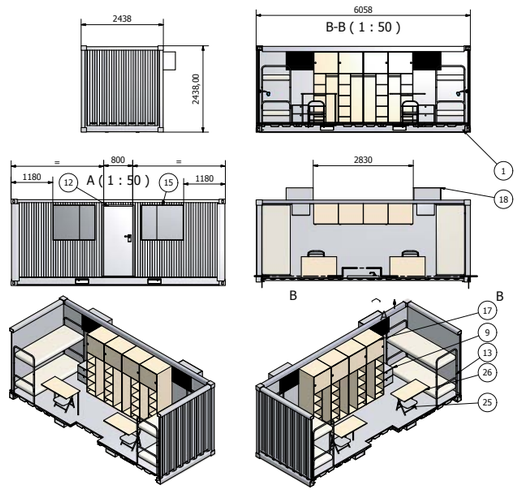
CSI supplies office and accommodation containers for most needs. Depending on the customer's specification(s) we can outfit each 20ft container to accommodate 1-4 people. We can also combine a series of 20ft containers to form larger structures. CSI can build accommodation and offices capable of withstanding most weather/climate conditions.

Depending on the customer's specification we can outfit each 20ft container to accommodate 1-4 people.

We can also use the same technology as we have developed for our kitchen systems and combine a series of 20ft containers to form larger structures. These might be used as dining halls, meeting rooms, open-plan offices, etc.

We produce units made from solid steel or based on flat-pack containers. The flat-pack units, which are prefabricated and assembled on-site, may be stacked 4 high on a truck for transportation.

CSI can build accommodation and offices capable of withstanding most weather/climate conditions. Prices and specifications on request.



DNV-container

Custom-Built DNV Certified Containers

We design and manufacture multi-purpose DNV containers in compliance with DNV 2.7-1, DNV 2.7-2, and DNV 2.7-3 standards. Available in 40ft, 30ft, 20ft, and 10ft, our containers are engineered for the most demanding offshore and onshore operations.

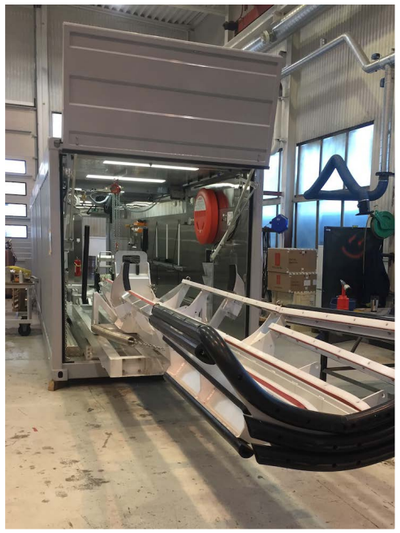
Applications include:

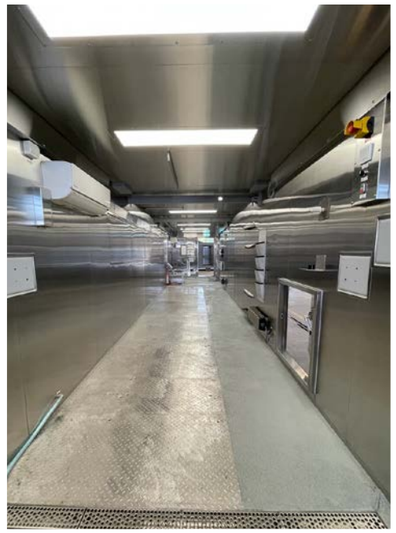
- Operating Control Room Containers – fully equipped different solutions for offshore and remote sites.
- Workshop Containers – rugged and functional work environments.
- Launch & Recovery Containers for AUV/ ROV systems – integrated solutions for safe and efficient deployment.

Key Features:

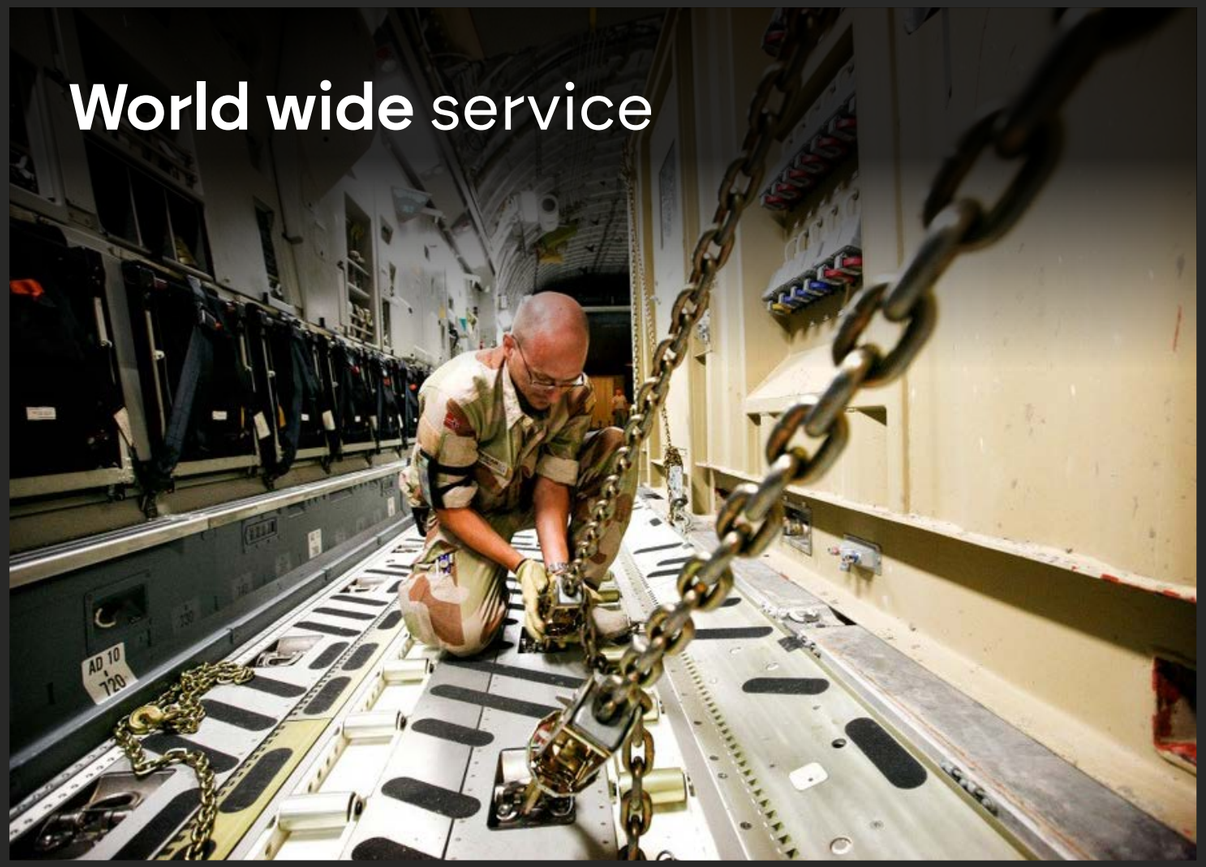
- Interior in 316L stainless steel – durable, hygienic, and corrosion-resistant.
- Custom-engineered solutions tailored to your mission requirements.
- Built to withstand harsh environments and heavy offshore use.

Our DNV containers combine robust construction, premium materials, and smart design to ensure safety, reliability, and efficiency wherever your operations take you.





World wide service



Placing of kitchen containers in MeS, Afganistan 2006

Maintenance & service

CSI's service department consists of skilled and specially trained professionals. Routine service agreements give customers a guarantee of reliability and ensure that the delivered products will always provide optimum performance. Service agreements can cover individual products or the entire system.

Each service agreement includes inspections and adjustments in accordance with a predefined checklist to ensure that all relevant functions are covered. This approach reduces the risk of unnecessary downtime. We also train our customers' own staff in service and maintenance procedures.

Set-up time

The set-up time is very short. For instance, we can set up a 4-container kitchen for 500 people in 10 hours using 2 people. The set-up time is kept low partly because all the technical equipment is permanently mounted in the container and pre-connected to electricity, water and drain outlets.

We have also developed a levelling system, which is built into the corner posts of each container. The system makes it possible to level the entire building, thereby easing the requirements for the underlying ground.

Logistics / Transport

Our kitchen, sanitation, laundry and water-treatment units are housed in standard ISO shipping containers. They can be handled and shipped in the same way as any certified shipping containers, and are approved for transport by air, sea, rail and road.

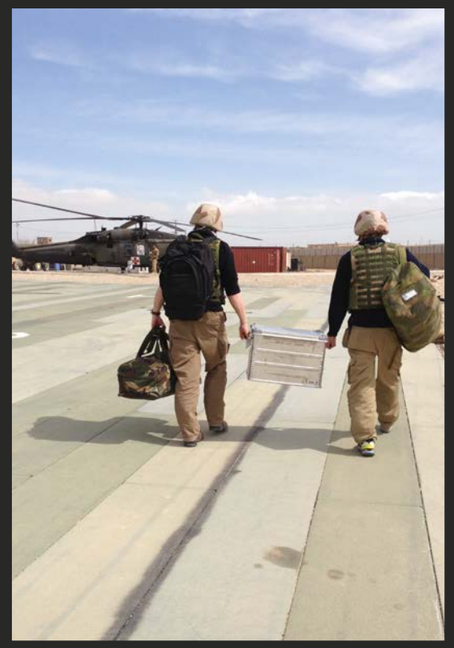
The containers are stackable, they can be hoisted using a truck or crane, or they can be set on a pallet and hoisted using a multi-lift system ("hook lift").

Larger structures can be built by combining several containers. Large rooms can be constructed using containers without sidewalls, and the entire structure is put together using our proprietary connecting system and gastight packings.

Standards

- **FS 7610-0235**
- **FS 7610-1950**
- **FS 7610-3130**
- **FS 8010-0052**
- **FS 8010-0125**
- **FS 8010-0207**
- **FS 8010-0210**
- **ISO 8501-1**
- **NS-ISO 1161 Issue 1, March 1985**
- **STATUTE-1965-06-18-4**
- **STATUTE-1977-02-04-4**
- **NS-EN ISO 12944**
- **NS-ISO 668**
- **NS-ISO 1496-1**
- **NS-ISO 3874**
- **NS-470 Issue 2**
- **STANAG 4370 AECTP 200**
- **NS-EN ISO 9001:2015**
- **NS-EN ISO 14001:2015**

Past performance



Camp Supply International AS (CSI) was founded in 2000 to supply the international market with container-based products.

Today, CSI produces high-quality, container based solutions for use in peacekeeping operations worldwide. We design and manufacture a range of units that offer a unique level of space efficiency and provide excellent working environments in both remote areas and tough climates.

CSI has grown steadily since its foundation, and in 2007 we decided to expand our manufacturing capability through the construction of a highly efficient production plant in Changzhou, China. The plant, which was completed in 2009, is operated by the wholly-owned subsidiary CSI Movable Cabinet (Changzhou) Co., Ltd.

CSI's overarching business goal is to provide our global customers with the best quality service and solutions under all conditions.

CSI climatic test requirements

Our CSC containers are manufactured to be operated under extreme climatic conditions, with temperatures ranging from approx. -46°C to +49°C (STANAG norm). Up to 200 mm of insulation material is used to ensure the containers always provide a pleasant working environment.

All climatic tests are performed in our own climate test chamber in accordance with the procedures documented in AECTP 300, Method 302 and 303, Annex A to STANAG 4370 (Edition 1): AECTP-300 Climatic Environmental Tests. During these tests the unit's system performance, as well as its ability to maintain a comfortable indoor temperature, are also monitored.

Standards

- • **FS 7610-0235**
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- **NS-ISO 668**
- **NS-ISO 1496-1**
- **NS-ISO 3874**
- **NS-470 Issue 2**
- **STANAG 4370 AECTP 200**

Installations

We have delivered installations to SFOR Bosnia, KFOR Kosovo/Macedonia and ISAF Afghanistan, Chad, Africa, Gulf of Aden, and Cyprus. These deliveries have included:

- **Kitchen containers**
- **Sanitation containers**
- **Laundry containers**
- **Water treatment systems**
- **Waste incinerator systems**
- **Reefer containers**
- **Electrical power supplies**
- **Accommodation containers**
- **Office containers**
- **Electrical, heating, ventilation and sanitation installations subject to authorization requirements**
- **Service/maintenance**
- **Field hospitals**
- **Air conditioning and ventilation systems**
- **Air optimization and disinfection systems using filter technology and ultraviolet radiation (UVC)**

The above installations have varied in size to serve the needs of camps accommodating from 250 to 1,200 people.

References

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Our international experience/ references

1997 to 2004 Delivered 5 complete camps to SFOR in Bosnia, Kosovo and Macedonia.

2003 Remounted a 99-model 4-container kitchen unit from KFOR.

2004 Delivered and installed an 8-container sanitation rig.

2006 Delivered and installed waste treatment systems, supplied and fitted a kitchen unit with capacity for 600 people.

2008 to 2009 CSI provided supplementary containers to the Norwegian base sets, as well as 12 explosives storage containers.

We also delivered customized POL storage containers, bio-toilets and advanced water containers to UN MINURCAT in Chad.

2009 to 2010 Supplied reefer and transportation containers to Sweden's National Defence Materiel Administration (FMV).

2009 to 2011 Delivered 8 toilet and 8 shower containers to The RÖDER Group in Germany.

2011 CSI received following orders from NATO/NSPA: 48 Reefer containers, 8 kitchen containers, 2 sanitation containers.

2012 Supplied a complete 6-container kitchen to Sweden's FMV. 2012 Supplied 6 complete camps for The RÖDER Group in Germany.

2013 to present Supplied full-scale container-based water purification system to the Norwegian armed forces.

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