

UTS SYSTEMS

CAPABILITIES SUMMARY



www.uts-systems.com . sales@uts-systems.com . 850-226-4301
36 TUPELO AVENUE SE / Ft Walton Beach, FL 32548

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UTS OVERVIEW

- **UTS Systems is a small business based in Ft Walton Beach, FL where we manufacture and integrate several product lines of quick erect, tactical shelter systems and similar expeditionary assets;**
 - **TM shelters – 19’W modular / 200sq’ – 850sq’**
 - **TM Tall shelters – 21’W modular 420sq’– 924sq’**
 - **TXL shelters – 30’W modular / 480sq’ – Exponential**
 - **CBRN “Single Skin” shelter systems – Chem Protected**
 - **Field Hospitals – Medical Equipment Integration**
 - **Command & Control/TOC’s/TAC’s-complete systems**
 - **Personnel Decon shelter systems – 2/3/4 Lane**
 - **Mobile power generation/ECU equip – XGT30-5**
 - **Expeditionary field shower/sanitation systems**
 - **Shipping container/shelter hybrid systems**
 - **Customizable base camps – 100-1k troops**



UTS SHELTER ADVANTAGES

- Quick set up time—under 15 min w/ only 3-6 people
- Setup without power, handling equip or ladders
- Extremely strong frame w/solid alum components
- Simple and intuitive, reduced training & maint costs
- Compact, tactical, excellent man-portability
- Pre-installed electrical/Cat 6/LED Lights—leave in
- Energy efficient Thermal Fly >25% most efficient tent
- No snag points – easy camouflage deployment
- Adjustable feet to accommodate for uneven terrain
- Boots available for integration with common equip
- Minimal PPE required

<https://uts-systems.com/set-up-video>



UTS FRAME CONSTRUCTION

Premium Frame Quality

- High quality, highly durable frame
- Aircraft grade T6061 aluminium
- Frame joints machined from solid aluminium block for optimum strength
- Stainless steel mechanical fittings and frame components
- Intuitive setup and teardown
- No tools and no work-at-height

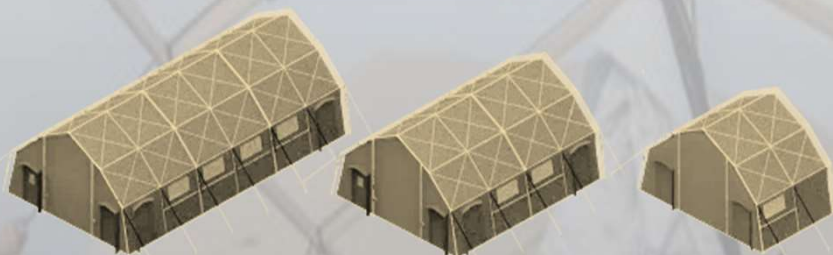


UTS SHELTER MODELS

- Multiple Shelter Families, Cross-compatible
- Uniform connection interfaces
- Common deployment principle, storage and movement
- Component Commonality

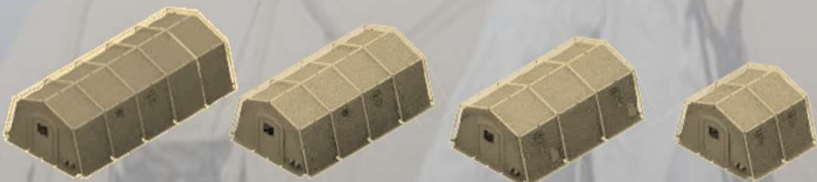
TXL Series

Command/Maintenance



TM Tall Series

Command/Sleep/Hospital



TM Series

Command/Sleep/Ops



SM Series

Vestibule/corridor/ECP



XGT Gens

XGT30-5/XGT30-8



Boots

Vehicle/Container



UTS SHELTER SPECS



Type	TM18	TM36	TM36 Tall	TM54	TM54 Tall	TM60	TM60 Tall	TM75	TM75 Tall	TXL40	TXL80	TXL 120
Inside Dims	19'x10'	19'x20.4'	21'x20.4'	19'x29'	21'x29'	19'x34'	21'x34'	19'x42'	21'x42'	29'X16.5	29'x33	29'x49.5
Square Feet	190'	388'	42'	551'	600'	646'	720'	800'	882'	460'	935'	1380'
Height	9.1ft	9.1ft	10.8ft	9.1ft	10.8ft	9.1ft	10.8ft	9.1ft	10.8ft	16ft	16ft	16ft
Fabric Weight	205lbs	307lbs	330lbs	345lbs	394lbs	425lbs	476lbs	490lbs	545lbs	350lbs	675lbs	1000lbs
Frame Weight	127lbs	153lbs	146lbs	216lbs	216lbs	270lbs	270lbs	340lbs	340lbs	411lbs	822lbs	1233lbs
Leg Weight	N/A	60lbs	72lbs	76lbs	94lbs	102lbs	116lbs	122lbs	138lbs	106lbs	212lbs	318lbs
Fly Weight	52lbs	70lbs	72lbs	106lbs	108lbs	114lbs	116lbs	149lbs	151lbs	62lbs	124lbs	186lbs
Stake Bag	28lbs	41lbs	41lbs	47lbs	47lbs	70lbs	70lbs	80lbs	80lbs	45lbs	90lbs	135lbs
Total Weight	412lbs	631lbs	661lbs	790lbs	859lbs	981lbs	1,048lbs	1,181lbs	1,254lbs	974lbs	1,923lbs	2,872lbs

UTS Thermal Fly



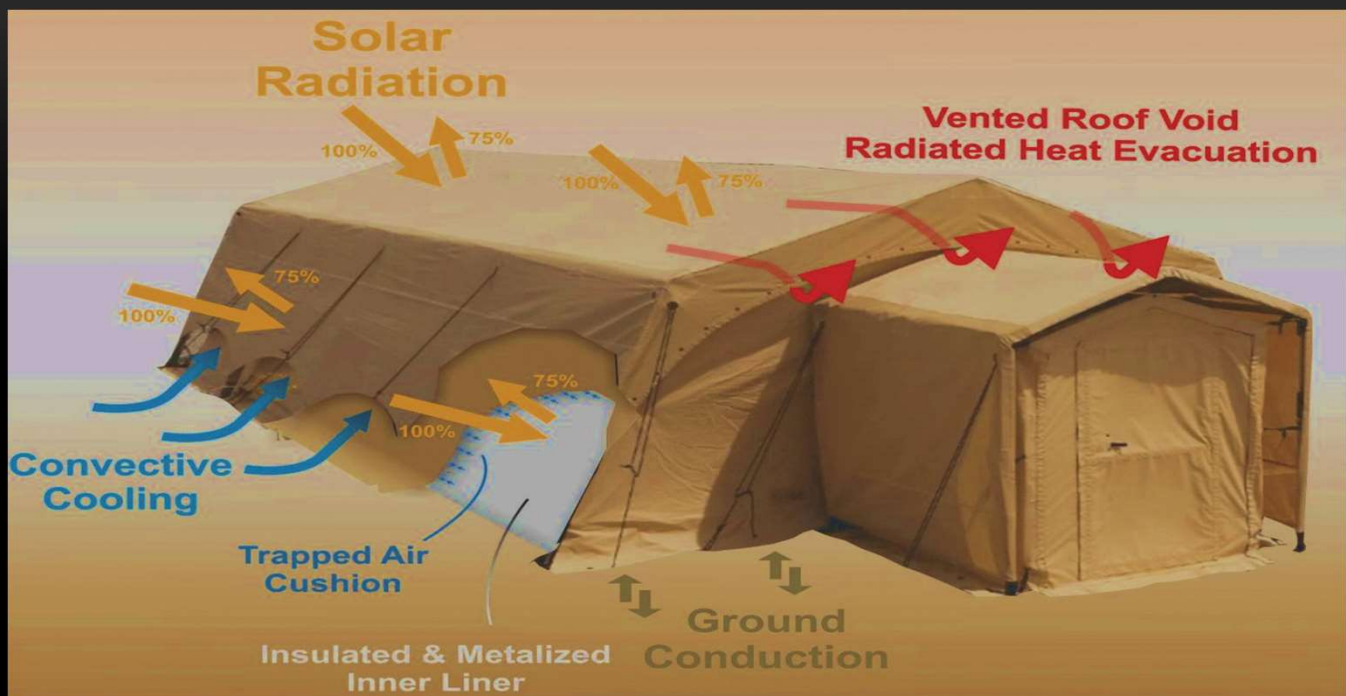
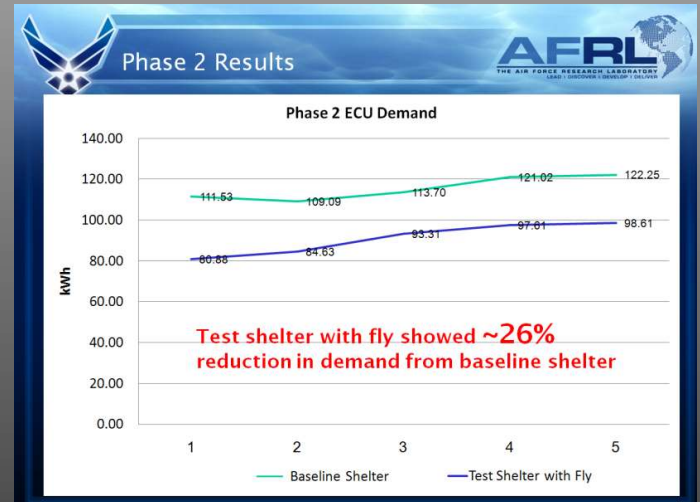
*Comes Standard with each Shelter

Part I - Energy Efficiency

-Reduces ECU power consumption by 26% as tested by Air Force Research Lab (AFRL) = burn less generator fuel, less BTUs required =reduce # of re-fuels/equip PM/# of deployed field techs

- Radiant barrier (internal liner) provides refracting & dissipation of solar loading to reduce heat transfer from outside ambient to internal conditioned space

- Achieved +40deg Delta w/ [1] 5-ton ECU on (2) TM60 650 ft² shelters/Ali Al Salem, Kuwait, 2013



UTS Thermal Fly

*Comes Standard with each Shelter



Part II – Added Protection

Extends Shelter Life

-Shields main shelter body from harsh environmental conditions - sand, wind, UV degradation etc

Shelter Strength

-Shelter Strength - Thermal Fly is deployed on top of the shelter frame - External frame = quick erect set up w/ internal frame strength

Versatile

-Can be deployed during initial set up or after as sustainment piece

-Can be used standalone w/ frame for instant overhead cover



Mil-Std Testing



ATC TOP 10-2-75

Tents and Shelters Mil Std Testing Aberdeen Proving Grounds, MD

- Snow Load = 10 lbs per sq'
- Wind Load = 55-65 mph
- Rain Intrusion = 2" per hr
- Durability = 50ea Erect/Strike
- Blackout = 100M/300M w NVG's

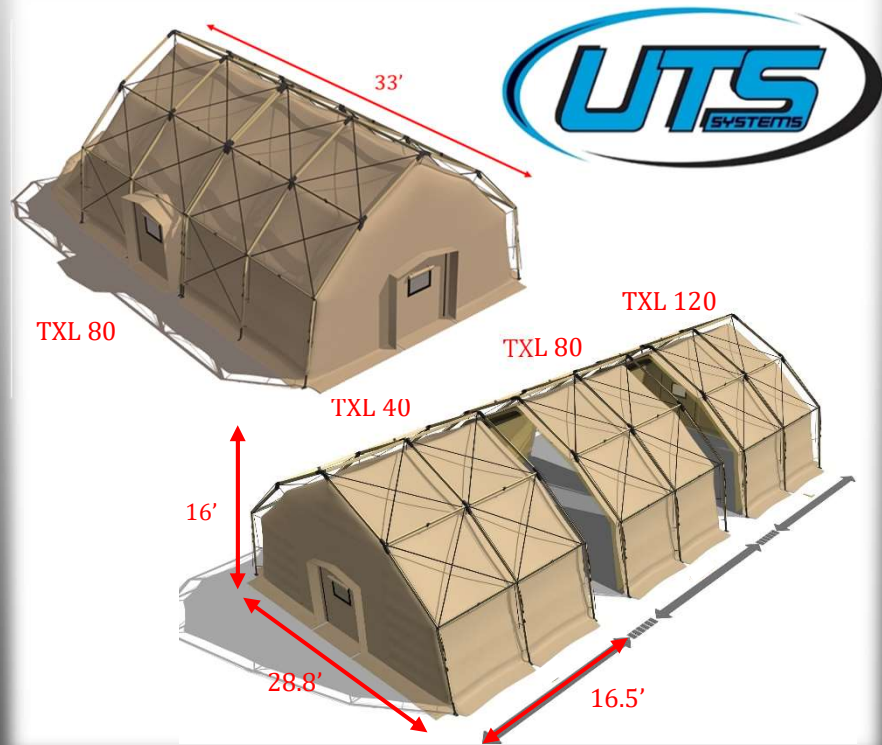
*Tested both with and without Thermal Fly



UTS Systems TXL Shelter

Applications

- Tactical Operation Centers
- Vehicles Maintenance
- Billeting Accommodations
- Dining Facilities
- Unmanned Aerial Vehicles



Key Features

- TXL80 (920 ft²) shelter can be erected in less than 30 min by five (5) personnel
- Integrated Thermal Fly to reduce solar load
- Extremely durable folding frame design
- No power, compressors or even a ladder required for the set-up or tear down
- System comes in man-portable carry bags
- Intuitive design simplifies training



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UTS Systems Field



Shower/Hygiene

Specifications

- 950 gal/hr Shower System
- 4ea Individual Shower Stalls
- 2ea Dbl Sink Tables-Collapsible
- On-Demand Water Heater/Pump
 - Diesel/Multi-Fuel
 - 50 gal Fuel Tank
- Diaphragm Waste Water Pump
- 1k gal Potable Water Bladder
- 1k gal Waste Water Bladder

Part Name	Part Number	Quantity
Source Water Pillow Bladder (Tan)	601-BLADDR-30918	1
Ball Valve, Source Bladder	701-BLADDR-30918	1
Supply Suction Hose 1" x 10'	701-4677-3-1	2
Supply Hose 1" x 25'	701-4677-3-2	1
Supply Hose 1" x 7'	701-4677-3-3	6
Supply Hose 1" x 4'	701-4677-3-4	5
Supply Hose 1" x 10'	701-4677-3-5	2
Drain Hose 1" x 2'	701-4677-3-6	4
Drain Hose 1" x 10'	701-4677-3-7	4
Sink Supply Line	701-4677-9-1	4
Sink Supply Hose	701-4677-9-2	2
Sink Drain Hose	701-4677-9-3	2
Drain Hose 1" x 4'	701-4677-3-8	5
Drain Hose 1" x 25'	701-4677-3-9	1
Drain Discharge Hose 1.5" x 10'	701-4677-3-10	2
Drain Hose 1.5" x 10'	701-4677-3-11	2
Drain 90 Adapter	701-4677-12	4
Supply 90 Adapter	701-4677-13	2
Drain Collection Tee	701-4677-14	1
Drain Tee Plug	401-10-W-AL-CR-A	1
Supply Pump and Heating Skid	701-4677-8	1
Supply Tee Assembly	701-4677-4	6
Shower Stall Assembly	701-4677-7	4
Drain Tee Assembly	701-4677-5	6
Shower Head Assembly	701-4677-6	4
Drain Pump Skid	701-4677-11	1
Ball Valve, Waste Bladder	701-4585-16	1
Waste Water Pillow Bladder (Black)	601-BT-1000V30	1
Canvas Shower Wall Set	601-4677-PSCS	4
Sink Table Assembly	701-4677-9	2
Support Pole, Long	701-4677-6-1	16
Support Pole, Short	701-4677-6-2	16
Support Pole Coupler	701-4585-15-4	16
Spares Kit		
Repair Kit, Source Bladder	801-30001	1
Repair Kit, Waste Bladder	601-PKT-V30	1
Water Heater Transformer	507-20476817	1
Water Heater Air Pressure Switch	507-20476885	1
Water Heater Ignition Transformer	504-20476818	1
Water Heater Flame Sensor	507-20476811	1
Water Heater High Limit Thermistor	507-20476974	1
Relief Valve	410-NCLX-5LX	1
Fuel Filter Cartridge	801-17185384	1
1" Quick Disconnect Gasket	401-10-QDG-BUNA-N	8
1.5" Quick Disconnect Gasket	401-15-QDG-BUNA-N	2
.50" Quick Disconnect Gasket	401-05-QDG-BUNA-N	2
Faucet Aerator .5 GPM	410-10N182	4

Key Features

- Breaks down into man-portable config
- Intuitive design simplifies training
- Water Heater, Supply Pump, Controls on single skid platform
- Mil-Spec Cam-Lock fittings & connections
- Easy to Operate/Troubleshoot



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XGT30-5/8-Ton



Expeditionary Trailer Mounted Generator/ECU

Generator Specs

- 30kW, 120/208V, 3Ph, 60Hz
- Tier 4 Interim Engine
- Diesel/JP8 fuel source
- 50gal internal fuel tank
 - Aux fuel connections
- 65 dB @ 25ft
- Service Access Panels
 - External oil & coolant drains
- 2ea 60A / 2ea 20A outputs



ECU Specs

- 60k BTU, 5-ton cooling capacity
 - 96k BTU, 8-ton optional
- 18kW electric heat
- Scroll compressor/R-407C refer
- 1800 CFM
- Simple electronic controls

Trailer Specs

- HMMWV-towable
- UTS shelter stowage platform
- 4 large storage compartments
- Run-flat mil-spec tires
- 3620 lbs – total system weight



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Turn-key Deployment Packages



100 Person Bed Down Pkgs

- Billeting Shelters
- Cots/Bunks
- Shower/Shave facilities
- Expeditionary Latrines
- Environmental Control
- Mil Std Power Generation
- Housekeeping Equipment



TOC/TAC/C2 Pkgs

- Command Shelter
- Audio/Visual Equip
- 120V-CAT5/6 wired Workstations
- Environmental Control
- Mil Std Power Generation
- Housekeeping Equipment

Field Hospital



- Deployable Field Hospital/Clinic shelters
- Full modular customization
- USAF EMEDS +25 bed
- USAF ERPSS
- USAF HRT
- USA Role I, II, III

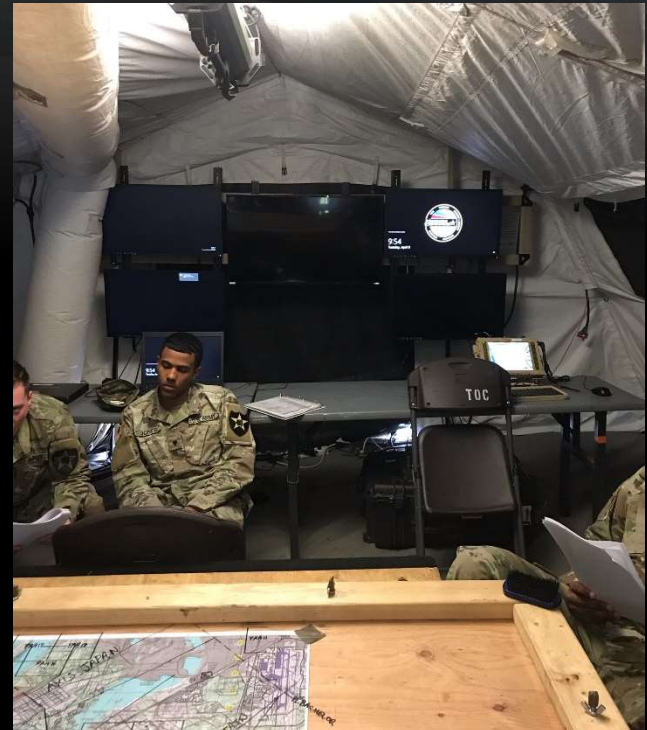


TOC/TAC/C2



BN/BDE/DIV TOC packages

- Multiple Screens on single TV/Projector Rack, fully integrated
- Full up Commo systems
- Customization Available



Mass Personnel DECON System



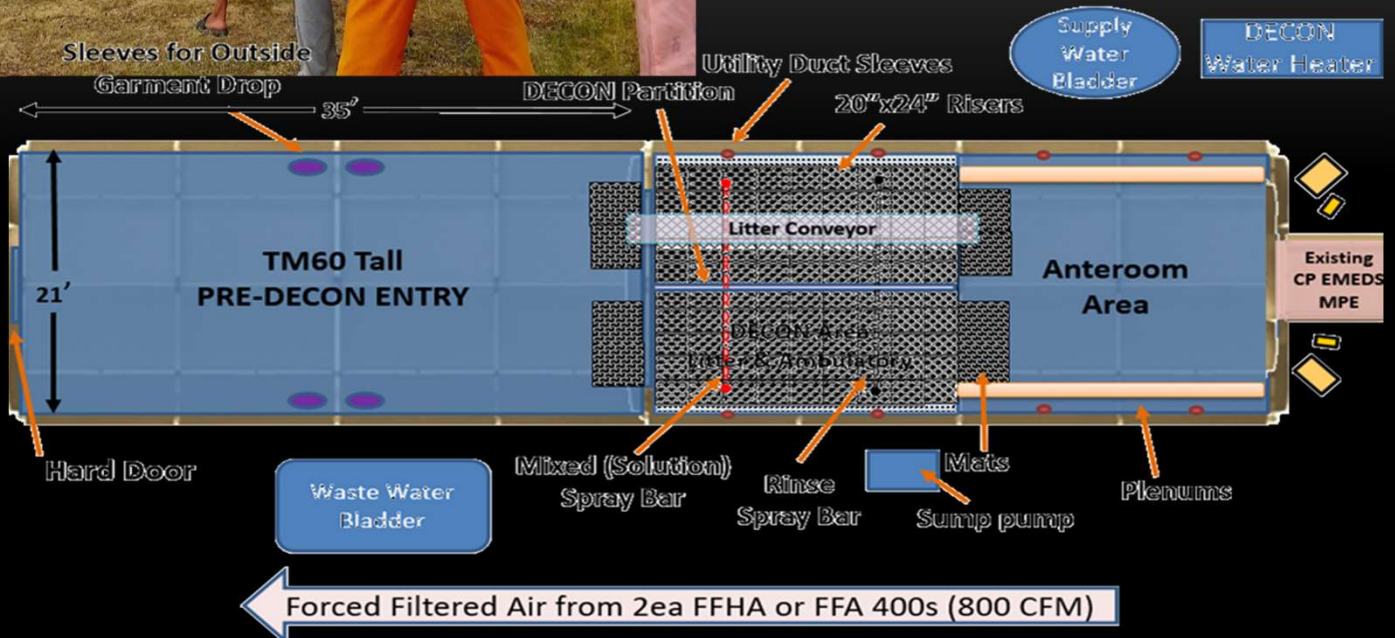
UTS DECON System

- TM Tall shelters for main body
- DECON Water Heater
- 3k Supply & Waste Bladders
- Double Entry Hard Doors
- Sleeved Garment Drops
- Hard Flooring System
- Aluminum Shipping Containers



Layout

- Configurable to Specific Req's
- Multi-Lane Options
- Ambulatory/Non-Ambulatory



Complexing/Layout



Flexibility



- Connect multiple UTS shelters together
- Connect UTS to other Mil shelters
- Connect Vehicles/Containers



Addtl Capabilities



Shelter Support Equip

- Shelter Interior Lighting
 - Fluorescent/LED tube lights w/ blackout
 - Integrated LED lights w/blackout
- Electrical/Power Distribution Boxes
 - 30A/60A/100A/200A/400A/800A
- Environmental Control Unit (ECU)
 - 3-ton/5-ton/8-ton
- Power Generation Units
 - 3kW/5kW/30kW/60kW



Shelter Accessory Equip

- Interior Divider Walls
- Interior Partitions
- Hanging Rigid Bar
- Analog Map Board
- 4 Person Litter Rack
- Shelter/Vehicle Mount



Packability/Portability



Man-Portable



-Each Shelter packs into 5ea man-portable carry bags w/ handles

Shipping/Storage Containers



- French Doors front load
- Inside load securing straps
- 4ea per 463L pallet
- No Heavy Equip manpower only; bottom unload with top packed



- EAC90 (88"x108"x96")
- 8ea TM36 (400sq') per 90
- 6ea TM54 (550sq') per 90
- 6ea TM60 (650sq') per 90
- *5ea TM75 (800sq') per 90
- *Pictured above

Field Training & Support



New Equipment Training

- On-site training upon delivery
- Included with initial purchase
- Coordinated by your local UTS Field Service Technician



Field Expertise

Expert Field Training by retired/former military UTS field technicians

Whole package TOC/TAC training includes:

- Individual shelter training
- Complexing multiple UTS shelters
- Operational fit test/new or legacy gear

Demo/Exercise Support

- Contact UTS for Onsite Demo and operational fit test
- Test UTS equipment during an exercise – no commitment to buy!
- Customized TOC/TAC layout with legacy or new A/V components



UTS COMMITMENT to EXCELLENCE

- OUR COMMITMENT

UTS Systems is a small, veteran owned, expeditionary shelter company that manufactures a complete line of rapidly deployable shelters. UTS shelters incorporate a patented state-of-the-art folding frame design that can be consistently erected in under 10 minutes. UTS shelters are built for a variety of applications in the most extreme environments. The simple shelter design is considered by users to be the latest advance in shelters as durability is not compromised to achieve a rapid and repeatable set-up / tear down and doesn't require power, an air-compressor, special tools or even a ladder, ever.

- WARRANTY INFO

UTS Systems offers a three-year warranty on our shelters. UTS Systems will repair or replace any shelter component that fails due to faulty materials or workmanship. Bent or otherwise damaged frame pieces, frayed ropes and rips or tears in fabric are considered normal wear and tear. **UTS Systems reserves the right to extend the warranty service program, decided on case by case situations.**

- DEMO / SERVICE

UTS offers at location, no commitment demos to give our customers the right to see firsthand how simple and strong our shelters are prior to purchasing. Our retired/former US Military field experts will work with you from defining your requirement to fielding your UTS shelters. New Equipment training and reoccurring training are included with your purchase. We are available by phone 24/7 and support is never an additional cost.

UTS SYSTEMS

Notes



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Contacts



Field Service Team Regional/CONUS/OCONUS

Marco Rodriguez
Business Development
Marco.rodriguez@uts-systems.com
661.428.9199
Ft Bragg, NC

Ed Sudac
Business Development
Ed.sudac@uts-systems.com
509.688.3728
Spokane, WA

Shawn Keene
Business Development
Shawn.keene@uts-systems.com
850.585.6686
Ft Walton Beach, FL

Justin King
AF Med Business Development
Justin.king@uts-systems.com
850.585.0126
North Carolina

Dave Millard
Inside Sales/Admin
Dave.millard@uts-systems.com
850.226.7043

Adam Bement
VP, Business Development
Adam.bement@uts-systems.com
850.585.1453

Dan Nacca
Business Development
Dan.nacca@uts-systems.com
706-580-1123
Ft Benning, GA

Matt Nicholson
Business Development
Matt.nicholson@uts-systems.com
253.341.5276
Yelm, WA [JBLM]

Mike Leeds
Field Service/Support Technician
Mike.leeds@uts-systems.com
717.495.4711
Harrisburg, PA

UTS Home Office Ft Walton Beach, FL

Gary "Gator" Courterier
Field Service Tech/Engineer
Gator@uts-systems.com
352.697.5901

Sean Giebenrath
VP, Programs/Ops
Sean.giebenrath@uts-systems.com
850.585.2597