

# DYNAMIC AIR SHELTERS – MILITARY SOLUTIONS





# DYNAMIC AIR SHELTERS – A MILITARY SOLUTION TO BLAST AND BALLISTIC THREATS

Dynamic Air Shelters offer a unique solution to military forces against the threat of IEDs, blast and ballistic hazards and military munitions. This revolutionary energy-absorption system is designed to deflect and rebound under shock and impact.

Designed and manufactured, by Dynamic Air Shelters Limited in Canada, Dynamic Air Shelters are ideal for military deployment as forward operating bases, rapidly deployable camps and remote site locations operating in harsh environments.

Originally developed for the petroleum industry to counter the effects of refinery explosions and enable workers to be protected in a threat zone, the system has been enhanced to incorporate a dynamic ballistic wall and blast barrier as an option. Designed to repel a significant munitions threat and withstand high proximity impact, the system has been successfully tested in four separate full-scale field trials at the Canadian Defence Research and Development Centre.

Designed and manufactured to the highest standards with unparalleled attention to detail and consideration for safety in warzones, Dynamic Air Shelters are safe, efficient and effective for any worksite. These inflatable air-beam shelter systems are highly durable in design and used as both temporary and permanent structures for industrial, military and remote site locations from the Middle East to the high Canadian Arctic, where there are harsh weather environments.

## MAKING IT HAPPEN



Blast resistant, lightweight, easy to customise and quick to deploy, Dynamic Air Shelters are unlike any other shelter solution in the world today. The system consists of a low-pressure air beam support structure, a heavy duty waterproof fabric shell and liner, and a flexible moveable exterior fabric barrier surrounding the perimeter of the shelter. Blackout or opaque covers and liners can be used when required.

The air support system is designed to be fully redundant. Columns serve independently and are secure without the constant supply of a blower or electric power. The system is designed to repel a significant munitions threat and withstand high proximity impact. The shelters will not collapse, deflate or create debris.





## FAST AND EASY TO DEPLOY

A small team can deploy the shelters rapidly. They are simple to take down and store. Redeployment is equally quick and easy. There is little or no need for heavy equipment. The shelters can be dropped into a remote site location by helicopter.

## UNPARALLELED SAFETY

In addition to their blast resistant properties and ballistic resistance, the shelters are earthquake secure. Constructed from fire resistant materials that meet international standards (NFPA701 in USA), there are many aspects of this product that can improve safety during installation: Dynamic Air Shelters reduce the need for heavy equipment, zero requirement for working at heights as the structure is inflated, zero glass, it can replace hard structures, and no ladders or scaffolding are required for erection.

## ALL WEATHER & ENVIRONMENT SHELTERS

Dynamic Air Shelters innovative shelter designs have become the only true all weather shelter solution. With some models engineered and certified secure to Category 3 hurricanes, these safe shelters resist weather conditions beyond that of common temporary shelters. Dynamic's all weather shelters are also perfectly suited for extreme temperature conditions, capable of operating in temperatures ranging from 70C to -45C (158F to -49F). This versatile product resists extreme snow loads.

MAKING IT HAPPEN

## EASY TO CUSTOMISE FOR NUMEROUS APPLICATIONS

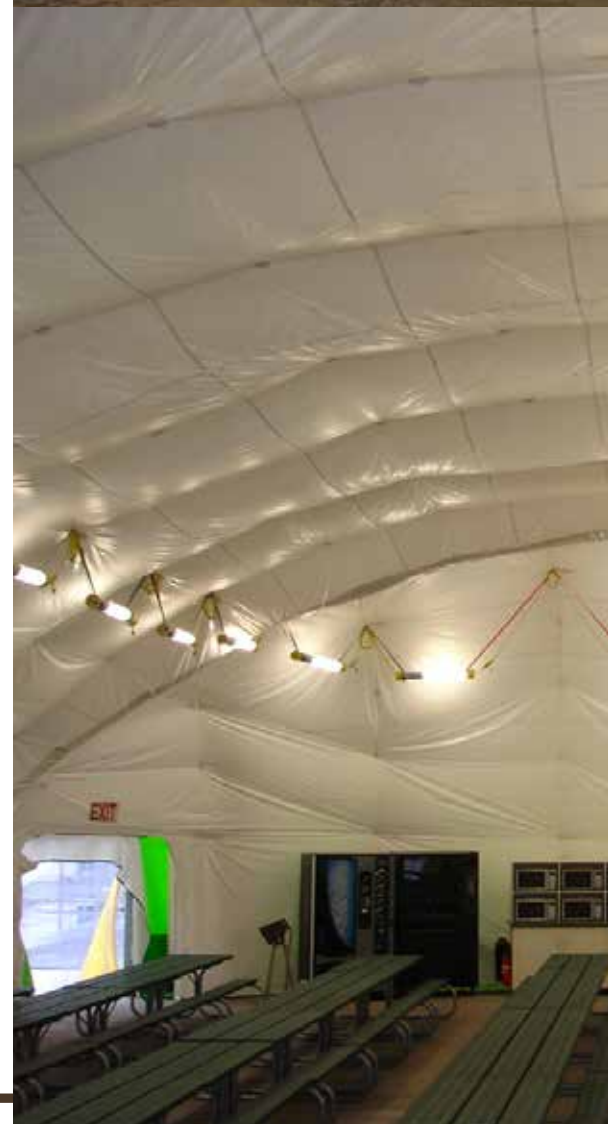
The adaptable DAS system has multiple applications for improved community safety, including use as defacs and mess halls, warehouses, workshops, hangars, accommodation blocks, conference rooms, offices, fire halls, or recreational spaces such as gymnasiums. Shelters are available in varying sizes from small POD systems to large 100m warehouses and can be made with any required logo and in any colour. Including camouflage of your choice.

## EFFICIENT

This highly durable product works on a low energy system. It is UV resistant, robust and reliable, has internal temperature control capability for HVAC systems, and is environmentally friendly.



*Dynamic Air Shelters are developed, designed and manufactured by Dynamic Air Shelters Limited, Canada. Taffy's is an official distributor of Dynamic Air Shelters.*



# RESEARCH & DEVELOPMENT

The Dynamic Air Shelter is simple to use, but a technically complex product. Through 14 years of research, field tests, and Dynamic's background affiliation with Martec, Baker Risk, ORA inc, Dyn FX and API committee in respect to the blast resistant properties, we can demonstrate to you how Dynamic Air Shelters can deliver both safety objectives and operational efficiencies. Simply put, our shelter solutions save lives.



Taffys is an authorised Dynamic Air Shelters agent. We have worked with many military contractors and services. From Afghanistan and Iraq to Africa and Europe, Taffys has a proven track record of supporting and delivering military related contracts in the harshest of environments.

For more information please contact us or visit our website.

<http://www.taffys.biz>



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