

# DYNAMIC AIR SHELTERS – PETROCHEMICAL INDUSTRY





## DYNAMIC AIR SHELTERS – UNPARALLELED SAFETY

Dynamic Air Shelters offer superior protection for workers in challenging and dangerous work environments or remote sites. Dynamic Air Shelters are a highly versatile and effective alternative to traditional hardened blast and ballistic resistant structures for oil and gas and petrochemical refineries.

Designed and manufactured, by Dynamic Air Shelters Limited in Canada, to the highest standards with unparalleled attention to detail and consideration for work place safety, Dynamic Air Shelters are safe, efficient and effective for any worksite. These inflatable air-beam shelter systems are highly durable in design and used extensively in the oil and gas and petrochemical refining industries. They are also 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.

Dynamic Air Shelters offer a unique solution to the blast and ballistic hazards of industrial explosions. Their revolutionary energy-absorption system is designed to deflect and minimise the shock and impact.

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.

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



## 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.

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.

Simply put, our shelter solutions save lives.



## 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 reduces the need for heavy equipment, zero requirement for working at heights as this 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

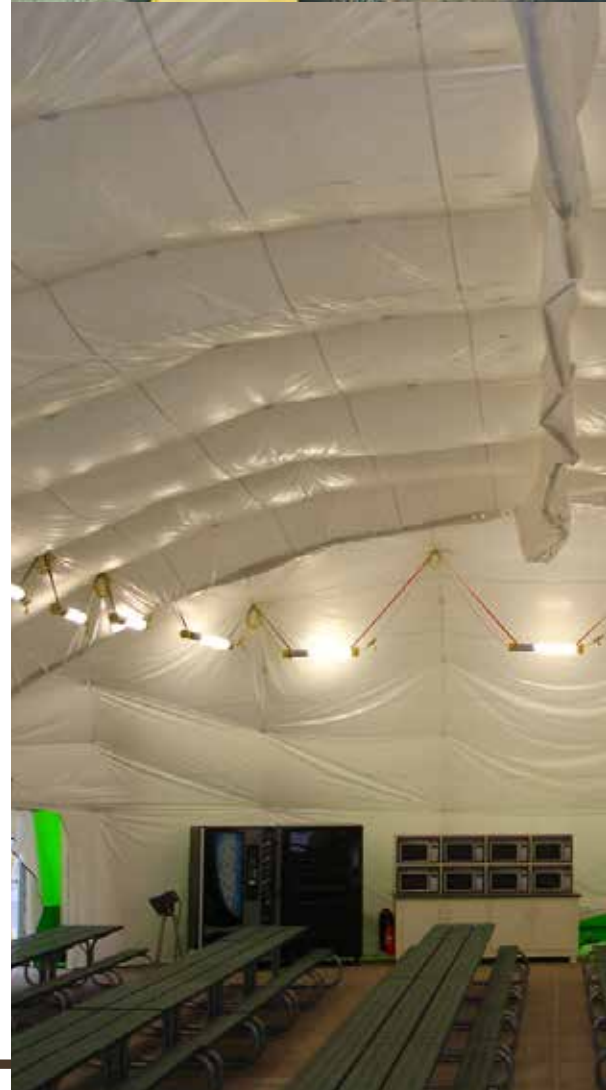
The adaptable DAS system has multiple applications for improved community safety, including use as a dining facility, warehouse, workshop, accommodation block, conference room, office, fire hall, or recreational space such as a gymnasium. Shelters are available in varying sizes from small POD systems to large 100m warehouses and can be made with any required logo and in any colour.

## 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.



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# 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.

Dynamic Air Shelters are in use by most of the major oil and gas companies, as well as numerous industrial and military organisations.



Our strategy is to work with clients to develop Turnaround Shelter Programs (TSP), whereby we support your teams on the refineries by arranging the delivery, storage, and erection of Dynamic Air Shelters, and all necessary staff training. For multiple locations in close proximity we aim to establish a “share scheme” with the same principals, whereby the shelters are stored in a central location and can be used periodically or permanently for shutdowns and maintenance. This can be done on long term lease or outright buy payment schedules.

Taffys is the authorised dealer for Dynamic Air Shelters. We have a proven track record of supporting remote site operations in the harshest environments. Dynamic Air Shelters are used for protecting workers and saving lives.

Visit [www.taffys.biz](http://www.taffys.biz) for more information

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