



BLAST RESISTANT AIR SHELTER

One Company, One Call,
Countless Solutions.



Industry Need ▶

Recent plant explosions have brought personnel safety issues in process areas to the forefront of every facility's priority list. The deaths and injuries caused as a result of these explosions have led to a drastic change in thinking and standards when it comes to personnel safety.

Every facility now makes it a clear priority to protect its most valuable asset — people. The important question is how.

Solving the problem of craft working in blast zones while minimizing craft productivity losses is difficult, but AMECO has the solution.

Solution ▶

AMECO, in partnership with Dynamic Air Shelters Ltd., addresses this need with its Blast Resistant Air Shelter solution. The Blast Resistant Air Shelter provides the innovative design and technology necessary to shelter potentially at-risk workers.

Blast Resistant Air Shelter Features ▶

- ▶ Blast Resistant - currently rated for greater than 4 psi blasts
 - Extensive engineering data¹ and field testing¹ has proven the capabilities of the shelter under blast conditions. Field testing performed not only supports the engineering data but shows that the shelter is capable of withstanding higher-pressure blast waves in excess of 4 psi.
- ▶ Safe design, entirely non-rigid structure
- ▶ Redundant and secure

¹ Detailed documentation on engineering data and field testing is available upon request.



▶ Delivering Integrated *Mobile Equipment* and Tool *Solutions* to Industry *Worldwide*.





Additional Features ▶

- ▶ Innovative and tested
- ▶ Fire resistant – meets NFPA 701 California code
- ▶ Weather resistant – can withstand wind speeds up to 80 mph
- ▶ Can be certified to remain secure under elevated snow load conditions
- ▶ Ease and speed of installation, portable, versatile, quiet

Blast Resistant Air Shelter Benefits ▶

- ▶ Project Savings
 - Projects can achieve 8-12% savings on labor costs due to placement of personnel at or near the work site for safety meetings, breaks, and meals, eliminating or reducing travel time to and from the site
- ▶ Thermal Protection
 - A layer of air in the inner and outer liners of the shelter creates a thick, insulating barrier against thermal waves
 - Recommendations can be made on shelter placement in relation to blast zones and flare stacks
- ▶ Craft Retention
 - Aesthetically pleasing
 - Bright interior
 - Climate controlled
 - Instills source of pride in project personnel
- ▶ Blast Resistant Air Shelter is versatile and has been used around the world for the following applications:
 - Lunch rooms
 - Wash rooms
 - Meeting rooms
 - Supervisory offices
 - Tool rooms
 - Storage facilities
 - Work site protection and weather remediation
 - General warehousing



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