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## VISION

We are the preferred service provider that is able to offer the most cost effective blasting solution to your problem on a worldwide scale

## MISSION

To conduct worldwide, safe, cost effective, rock breaking and blasting services on the surface and underwater

## QUALITY POLICY STATEMENT

We develop and maintain a recognised quality management system that guides us in the management and performance of our business and is capable of meeting, in all respects, the requirements and reasonable expectations of our clients

## SERVICE STATEMENT

We strive to identify high-quality, cost-effective, innovative and user-friendly solutions and to offer these solutions to our clients in a manner that supports their business objectives and processes

## HEALTH, SAFETY AND ENVIRONMENTAL POLICY STATEMENT

We are totally committed to providing and maintaining safe and healthy working and environmental conditions for everyone that may be affected by our business activities and to provide such information, training and supervision as may be required for this purpose

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## SAFETY

Safety is of paramount importance and is an integral part of our Quality Management system. Our fundamental principles are to reduce risk and to provide a safe working environment.

We achieve a safe working environment by providing effective management and supervision. We also develop work practices that contribute to risk reduction, select equipment with inherently safe design, provide appropriate training, and make available effective personal protective equipment where required. We have developed and maintain management procedures and processes that enable safety and occupational health (S&OH) risks to be identified, evaluated and reduced in a systematic and timely manner.

**Our Safety Objectives are quite simple. No accidents, no harm to people and no damage to the environment.**

We are members of The International Society of Explosives Engineers, The Society for Underwater Technology and the National Institute for Explosives Technology and adhere to and promote the principles and standards of these organisations.



# BLASTING SOLUTIONS

A division of ProDive Solutions

PO Box 401  
Noordhoek  
7985  
South Africa

Richard : 083-5836290  
Chris : 082-4503256  
Office : 021-7890283  
Facsimile : 021-7891832

[info@blastingsolutions.com](mailto:info@blastingsolutions.com)  
[www.blastingsolutions.com](http://www.blastingsolutions.com)

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# BLASTING SOLUTIONS

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## ROCK BREAKING CONCRETE BREAKING SURFACE BLASTING UNDERWATER BLASTING

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Over 30 years experience in the explosives industry

We are members of:

The International Society of Explosives Engineers

The National Institute of Explosives Technology

The Society for Underwater Technology

## Who are Blasting Solutions?

We are a division of ProDive Solutions, a dynamic company that offers a total solution to all coastal and in-shore subsea intervention requirements. This includes all facets of project design and management, marine civils, diving, dredging and geophysical survey.

On the basis of customer demand, we have expanded the company and have formed **Blasting Solutions**. This has brought over 30 years of expertise and experience in the national and international explosives industry to the local construction and marine civils market. We are proud to offer surface and underwater blasting as well as concrete and rock breaking to the local market.

We are the proud users of NoneX™, a revolutionary product that is based on a non-detonating chemical compound enclosed in a cartridge that reacts very quickly when ignited to produce large volumes of harmless gas, mainly consisting of steam, nitrogen and carbon dioxide.

## How does it work?

When the cartridge is sealed in a drilled hole, the gas pressurizes the sides of the hole to produce a shearing/splitting of the rock or concrete. The cartridge contains a propriety technology that enhances the transfer of energy into the rock or concrete to increase its breaking effectiveness.

## Is NoneX™ an explosive?

It is controlled by the Explosives Act of South Africa and has a UN Classification of hazard class 1.4S which is the same classification that is used for small arms ammunition. NoneX™ is non-detonating and is not liable to exploded in bulk, unlike conventional explosives.

## Will it break all sizes of rock and concrete?

NoneX™ cartridges are available in sizes from 2 g to 1000 g allowing blasters to handle the smallest of rocks to the largest steel reinforced concrete or bedrock.

## Is it waterproof?

NoneX™ is waterproof and can be used in wet holes or in situation such as dams where underwater breaking is required. We have used it successfully at up to 20 m depth in salt water marine conditions.

## How are the charges initiated?

The NoneX™ initiation system is simple. All that is required is to attach the cartridge leads to the lead wire that is in turn attached to a firing box that sends a current to the cartridges inert initiation system.

## Will my house be damaged by NoneX™?

No.

NoneX™ has been used on several highly sensitive, inner-city rock breaking projects such as the Michelangelo Towers in Sandton Johannesburg, the Tyger Valley Centre in Cape Town, several inner-city projects in Kula Lumpur and Singapore and the upper reaches of Camps Bay and Fish Hoek without any adverse effects.

Your house is safe!

## What about my neighbours' concerns?

Our blaster requires a permit from the SAPS to both convey the NoneX™ as well as to use it on your property. He also requires you to appoint him as the blaster and he must obtain written consent from other authorities having jurisdiction in the area prior to using it. Your neighbours have no need to worry!

## What about blasting safety?

Our properly trained and accredited blasters will

provide you with a **Blasting Solutions** Safety Plan for perusal and discussion prior to operations commencing so that all of your concerns will be addressed.

## What are the advantages over other methods such as chemicals?

**Blasting Solutions** insists on environmentally clean operations and therefore toxic and other chemical options are excluded. The use of NoneX™ is a faster, cleaner, more efficient and a much more cost-effective operation than any other method of demolishing rock or concrete.

## How long will the operation take?

**Blasting Solutions** will do a site inspection and within 24 hours, will fax or email a written quote to you. On acceptance of the quote, we will commence work after obtaining the necessary consent from the relevant authorities and approval from the SAPS Explosives Unit. The actual task is quick and involves drilling holes for the NoneX™ cartridges and initiating the cartridges. We do not remove the rubble but can assist you in obtaining a cartage contractor to remove the rubble.

## Who do I speak to?

**Blasting Solutions**, the only internationally experienced contractor that can provide a turn-key solution to all of your domestic blasting needs in sensitive environments both on the surface and underwater.

We ensure that the right thing is done right, the first time, on time, all of the time.