DEUS Rescue Delivers Complete Vertical Rescue Solutions with a Series of Superior Controlled Descent Devices

Advanced engineering and intense market understanding drive innovative offering

DEUS Rescue is dedicated to saving lives by providing the absolute finest vertical rescue solutions in the world. The company's guiding principle is clear: When lives are on the line, trust DEUS Rescue.

By combining advanced engineering techniques with a deep understanding of the markets it serves, DEUS Rescue has become the ultimate resource in personal rescue for professionals who work at height. With a line of easy-to-deploy, complete rescue kits and controlled descent devices, DEUS Rescue's solutions stand up to the needs of both rapid response and high stress environments.

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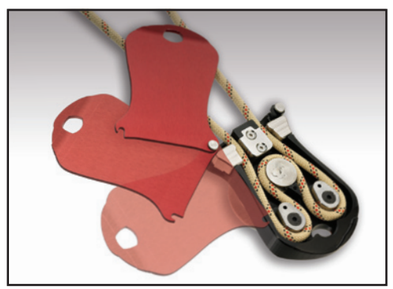
Corporate Profile

"Our design process has been all about imaginative approaches. Rather than copy what others have done before us, we have created advanced, innovative rescue tools to answer specific needs."

James Fay
President,
DEUS Rescue

Born to Meet the Needs of Firefighters

The idea that ultimately became today's DEUS Rescue started with a realization that life in the fire services had changed dramatically. Due to newly available technologies, firefighters were able to go deeper into burning buildings than ever before – so far, in fact, they sometimes could not get back out. At the same time, new construction materials meant that fires were burning hotter and faster. Combined, these facts revealed the crucial need for new escape technologies that could help firefighters bail out in an emergency.

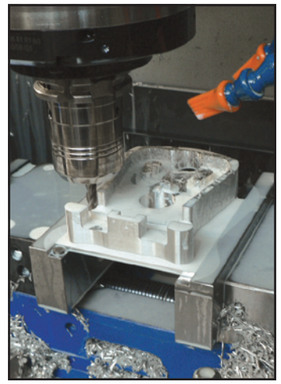


An examination of the currently available bailout equipment showed that it was primarily re-purposed mountaineering equipment. Difficult to carry and complicated to set up, this equipment was designed to be used in situations that included plenty of time to make decisions and set up a descent path. With fire and smoke looming, a firefighter in distress doesn't have the luxury of time and there is absolutely no room for error.

To understand how to best meet the particular requirements of fire professionals, DEUS worked closely with New York firefighters. These professionals helped guide the development of the original concept for DEUS controlled descent devices. They provided clear direction that the products would need to operate fully hands free in "stop" or "go" modes, limit speed and protect against free fall, and be small and light enough to carry at all times. Additionally, the devices had to allow rope to be easily replaced so that repetitive training would be affordable and ropes could be replaced when worn.

Applied Engineering to the Rescue

DEUS engineers experienced with ropes and descent looked carefully at the situation in the fire service. Rather than adapt an already available device, they decided to start from scratch and create an entirely new device that would answer all the needs of today's firefighters. Their ideal was a product that would be easy to operate in any circumstance, highly versatile and completely reliable.



Meeting this need required a high level of advanced engineering. The answer was in a combination of different brake technologies, coupled with a particular technical rope design and specification. In short, the DEUS development team sought to design a whole new breed of personal rescue technology unlike anything on the market.

Meeting the Needs of Many Markets

With tall wind towers appearing across the country and around the world, it became clear that firefighters were not the only workers who might need to rescue themselves quickly from dangerous situations above ground.

Wind technicians climb towers regularly and face steep drops and the possibility of suspension trauma if they are unable to be swiftly rescued by another team member. Law enforcement and military personnel benefit from the technology for airborne bailout, search and rescue operations or tactical descent with weapons. And industrial workers regularly work at height on commercial buildings, electrical utility towers, platforms, tower cranes and more.

DEUS engineers invited experts from these various fields to participate in the continuing design process, in order to assure that their solutions would work optimally for each of the many environments that needed them. Firefighters, wind tower training professionals, law enforcement officers, and military personnel all contributed to DEUS' advanced understanding of each market where its devices would be used.

The deep knowledge gained from hours with highly experienced market professionals allowed DEUS to create a complete line of highly engineered control descent systems and complete kits for bailout, personal rescue, sequential evacuations, work positioning and travel restraint.

Innovation in Manufacturing

Without a legacy of previous manufacturing techniques to hold them back, DEUS engineers had the luxury of designing with ultimate flexibility and creativity. They used their backgrounds in climbing and industrial rescue, along with the input of the experts in the

"Our business model is about innovation from start to finish. We take advice from top professionals, use it to engineer entirely new products and build them with the highest technology materials. We knew we could create industry-leading products this way and the results have exceeded all our expectations."

Shain Rae
CEO,
DEUS Rescue

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various markets, to inform their design choices as they moved toward the first DEUS prototype devices.

Knowing that strong, versatile and redundant braking systems would be absolutely key to success for its new devices, DEUS sought out the world's most reliable, smallest centrifugal brakes. SUCO – a German manufacturer – had been in business for more than 80 years making brakes for critical equipment like gondolas and ski lifts.

Working with SUCO, the DEUS engineering team developed a model that included a multiple redundant braking system with a small centrifugal brake complemented by Euler friction. The concept of complementary friction, combined with a mathematical model that incorporated climbing-related methods and knowledge, as well as everything DEUS engineers had learned from industry experts, ultimately resulted in the DEUS Vertical Rescue Systems available today.

Customized, Complete Escape and Rescue Solutions

Producing the ultimate descent device for every market wasn't the only piece of the puzzle for DEUS. Working with the professionals in different markets, DEUS was able to understand and compile the other tools and accessories required to effectively escape, rescue or complete other related tasks with the DEUS Vertical Rescue Systems.

First, DEUS worked with rope suppliers from around the world to create a whole new generation of technical ropes that are light, flexible, strong and able to hold up under fire. The newly developed line of ropes provides the backbone for a series of customized, complete rapid rescue kits appropriate for a variety of needs.

Carefully evaluating products available across the safety industry, DEUS sourced the best pieces for use in its customized rescue kits. At the same time, the company developed more advanced versions of such critical equipment as anchor chokers, harnesses and rope edge protectors designed specifically for rapid response. The combination of new and best-available pieces allows DEUS to offer complete kits that meet the needs of professionals in every industry.

Ease of use is the primary concern in each device and kit that DEUS Rescue engineers create. Designed to be elegant in their simplicity, each piece of every rescue kit addresses a specific need the best way possible. DEUS experts provide training for each DEUS Rescue kit sold, ensuring that users have all the tools necessary to be as safe as possible when their lives are on the line.

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For more information about DEUS Rescue, visit the company online at: www.DEUSrescue.com

To speak to a customer service representative or to schedule a product demonstration call or email: 866-405-3461 support@DEUSrescue.com