



## REDESIGNING PROTECTIVE APPAREL TO FIT THE NEEDS OF ONE WORKER

*Quest's Customer Disposable Nuclear Protective Suits Tower Over the Competition.*

A Midwestern nuclear contractor for the US Department of Energy tasked Quest with designing the perfect protective suit for an unusually sized—but incredibly skilled—employee. The company is required by law to provide protective garments, so when this employee tore through his protective suit he was no longer allowed to enter contaminated areas. Thanks to Quest's improvements, he's finally experiencing a perfect fit.

### THE CHALLENGE

A nuclear facility in southern Ohio had an employee who was 6' 9" tall and around 400 pounds. The worker had been wearing disposable protective suits from the leading provider, but he routinely tore through this manufacturer's largest suit during every shift. Quest's hazard suits fit up to size 8X—much larger than the industry standard 6X. Even though our largest suit technically fit the employee, it did not provide an ideal fit for someone working in such dangerous conditions. For example:

- The suit needed to accommodate varying layers of clothing underneath. Some employees only wear underclothes, others wear a work shirt and pants, and some wear a shirt and overalls.
- With great height comes great shoe size. The foot area of other suits would tear whenever the employee put pressure or stress in that area.
- Almost any type of movement would cause the back of the suit to tear down the middle.

### THE SOLUTION

Quest's team altered the Quantumwear C design specific to this worker's measurements and needs and sent that information to our manufacturer. We were able to have prototype suits back in the worker's hands for a trial within three to four weeks of the original request. The contractor's full order of new suits were delivered within 90 days of the original phone call.

**A surprising bonus: Quest was able to offer this custom, small production, more effective suit for less than what the customer had been paying.**

### THE OUTCOME

Training in nuclear dismantlement and demolition is a complex and time-consuming process. Without adequate protection, this employer would have to start the hiring and training process again—and this employee would be out of a job. Now, the worker is back on the job safer and more comfortable than ever.



To put this photo in perspective, the men standing next to the suit are 6' and 260 lbs. and 6' and 200 lbs.

# QUEST

SAFETY PRODUCTS



*Partnering with You to Protect Your Workers in Any Environment*

Quest Safety Products is a full-line distributor of safety products and a manufacturer of disposable protective apparel serving customers throughout the U.S. for the last 21 years. Our team is committed to finding the best safety equipment on the market, educating safety professionals on the products they use, and reinforcing safety cultures with best practice solutions. We measure our success through an order accuracy rate of 99.4%, inventory accuracy rate of 99.8% and a measurable reduction in cost to your operations.

## OUR CORE MARKETS ARE:



Pharmaceutical  
and Life Sciences



Utilities



Construction  
and Contractors



Environmental  
Abatement



Nuclear Demolition  
and Dismemberment



Industrial  
Manufacturing

## OUR MISSION IS PROTECTING YOUR WORKERS, FACILITIES, AND PRODUCTS IN ANY ENVIRONMENT.

*We fulfill that mission through the following practices:*

- Trusted Partnerships
- Technical Expertise
- Customer-Based Solutions
- PPE and Safety Products
- Value-Added Services
- Sound Business Practices
- Consistent Supply Chain
- Dedicated, Engaged Team Members



HUBZone and MBE Certified

**CONTACT US TODAY TO SEE HOW QUEST CAN ASSIST YOU IN PROTECTING YOUR WORKERS AND STRENGTHENING YOUR SAFETY PROGRAM.**

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