

ALLIED NEWS

Bringing Our Family Together

New Website Is Launched!!

Allied Technical Resources, Inc. is proud to unveil the new website that was developed with the help of Winthrop University senior students.

The Winthrop University, 2016 senior class of Web Application Design, worked for a full semester designing the new Allied Technical Resources, Inc. website. The group of senior students worked together as a team on a Web Application Design Capstone Project. This project was an opportunity to develop the skills that they have been learning for the last four years and apply them to a real world scenario. The students had the challenge of not only designing an eye pleasing website that has the ease of use; but they also had to incorporate Allied Technical Resources, Inc. software for job searches and job postings. "This software integration was probably the hardest part of the project. It created challenges that were much like the real world and we had to change directions every time there was a change in the software. It was a great learning experience for all of us" said senior student Mark Vickery. The team performed most of their work in downtown Rock Hill, SC at the Technology Incubator in Knowledge Park . The Technology



Incubator is a creative workspace designed for entrepreneurs to launch a start up company with the support of local business, technology, and consulting resources from within the Rock Hill and surrounding areas. With the guidance and direction of their professors, Andrew Besmer and Jerry Derksen, the students are given real world applications of the programs they are learning. Allied Technical Resources, Inc. would like to thank the entire team of students and professors for all of their hard work and dedication on this lengthy project. Please visit the site at www.AllTechRes.com and experience the website first hand. For more information about the Technology Incubator please visit www.TIRockHill.org

“It was a great learning experience for all of us.”

WORKPLACE SAFETY TOPIC

As the temperatures heat up, there is a temptation to remove your hard hat. This can result in a dangerous head injury or even death. In 2012, more than 65,000 cases involving days away from work occurred due to head injuries in the workplace, according to the 2015 edition of the National Safety Council chartbook "Injury Facts." That same year, 1,020 workers died from head injuries sustained on the job. Employers must ensure their workers wear head protection if they are at risk of being struck by falling objects, bumping their heads on fixed objects or coming in contact with electrical hazards.

OSHA states that hard hats should:

- Resist penetration by objects
- Absorb the shock from a blow to the head by an object
- Be slow to burn
- Be water-resistant

All hard hats also should have a label inside the shell listing the manufacturer, ANSI designation and class of the hat. OSHA states that hard hats must feature a hard outer shell and a lining that absorbs shock and incorporates a headband. Straps should suspend from the shell about 1 inch to 1¼ inches away from the worker's head. Ensure hard hats meet ANSI standard requirements and that employees are wearing the proper type for their job task.

The three industrial classes of hard hats, according to OSHA, are:

- **Class G - General Helmet:** These hard hats provide protection against impact and object penetration. Their voltage protection is limited to 2,200 volts.
- **Class E - Electrical Helmet:** Class E hard hats deliver the most protection against electrical hazards (up to 20,000 volts). Additionally, they protect against impact and penetration hazards from falling objects or objects flying through the air.
- **Class C - Conductive Helmet:** For lightweight impact protection and more comfort, Class C hard hats are the way to go. However, OSHA points out that these offer no protection against electrical hazards.

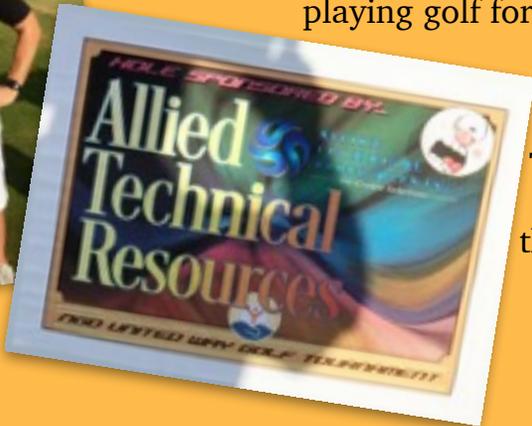
OSHA offers a number of tips for caring for hard hats, including:

- Clean and inspect hard hats daily. Hard hats with cracks, perforations or other deformities should be removed from service immediately.
- Know that paints, paint thinners and certain types of cleaning agents can weaken a hard hat's shell, as well as reduce its electrical resistance. Consult the hard hat's manufacturer if you are unsure what products you can use.
- Do not apply labels or insert holes into a hard hat – doing so can damage the its protective capabilities.
- Refrain from leaving protective headgear in direct sunlight, as sunlight and extreme heat can damage the helmet composition rendering it weaker.

Golfing To Help Our Communities!



Allied Technical Resources, Inc. was a sponsor for the Duke Energy NGO golf tournament benefitting the United Way. Bill Matthews had the pleasure of playing golf for this fundraiser along with Andy Barbee, Dan Geraghty and Danny Quattlebaum. Thanks to all of those persons involved in the planning of such a great event!



Engaging Trivia

There was a 7 way tie for the previous quarter trivia question. Angela Cuneo won the drawing and is the winner of a \$25 gas card!! Congrats!

As of April 2016 and excluding new construction, there are 444 nuclear power plants in the world.

Third Quarter Trivia Question

The V.C. Summer Unit 3 containment vessel is almost completed. Once the vessel bottom head, three vessel rings and the top head are assembled, what will the completed containment vessel weigh?

- A. 35,000 LBS
- B. 4,000 POUNDS
- C. 4,500 TONS
- D. 8,000,000 POUNDS

Please send your answer via email to janiceduncan@alltechres.com by October 17, 2016, to be entered into the drawing to win a \$25 gift card. Please include "Trivia Answer" in the subject line and include your name. In the case of a tie, names will be put in a hat and we will pick one winner.

**Winners names will be published in the following quarter publication of the newsletter. By submitting an answer, you are giving permission to Allied Technical Resources, Inc. to publish your name as a winner in the following newsletter.

What is the Nuclear Promise and How Does It Effect Allied Technical Resources, Inc. and Allied Specialty Resources, LLC ?

Companies that operate America's nuclear energy facilities are partnering on a multi-year strategy to transform the nuclear industry and ensure its viability for consumers as well as its essential role in protecting the environment. This strategic plan called Delivering the Nuclear Promise: Advancing Safety, Reliability and Economic Performance, will strengthen the industry's commitment to excellence in safety and reliability, assure future viability through efficiency improvements, and drive regulatory and market changes so that nuclear energy facilities are fully recognized for their value and carbon free footprint.

The Delivering the Nuclear Promise initiative will identify efficiency measures and adopt best practices and technology solutions to improve operations, reduce electric generating costs and prevent premature reactor closures. Industry teams, led by chief nuclear officers, will identify improvements to programs such as work management, security and engineering. The goal is to implement these efficiency initiatives in a planned and thoughtful way and realize their economic benefits. One example of these cost saving initiatives is to standardize the inprocessing training material for outage workers so successfully completed training can be transported from site to site.

How will this effect Allied Technical Resources, Inc. and Allied Specialty Resources, LLC.? Suppliers play an integral role in the nuclear industry. They invest significant resources to develop products and services to support the economic performance of the domestic nuclear fleet and can make major contributions to the success of Delivering the Nuclear Promise. Allied Technical Resources, Inc. and Allied Specialty Resources, LLC is committed to providing quality resources and solutions that align with the Nuclear Promise, all the while maintaining the same reliable support. Our staffing organization is committed to be the most valuable and efficient supplier for all types of staffing needs. Allied has a very cost effective business model due to the low overhead and therefor the savings can be passed to the customers. We are constantly looking for better ways to help customers reduce operating cost by providing innovative and new, but proven technology to address antiquated processes. Our partnership with GenMover is an example of where turbine generator alignments can be performed with predictability and precise accuracy within two hours; whereas in the past, the alignments took days and were usually just within the allowed tolerance.

Additionally, we are evaluating the use of virtual reality and gamification to reduce training cost with state of the art computer modeling and simulation to reduce the cost of task orientated training; meanwhile, improving comprehension with immediate feedback to the student following an assessment.

We look forward to the future challenges that nuclear power will be facing and the positive changes that will soon develop as a result of the Nuclear Promise. We are constantly looking for ways to help the industry reduce their operating cost and welcome any technology solutions or suggestions you may have to offer.

V.C. Summer Clean Energy Progress

The construction of V.C. Summer is moving along at a nice pace. The most recent milestones of the construction in the second quarter of 2016 was the placement of the concrete inside the walls of the CA20 structural module. This placement required approximately 2,000 cubic yards of concrete and 44 hours to complete. The placement of the first vessel ring for unit 3 was completed in April. In May, the feedwater heaters were installed in the unit 2 turbine building. In June, the remaining CH81 modules were placed into the Unit 3 turbine building. For additional details of the progress, click on this link and see the most recent video tutorial.

[Link to V.C. Summer Progress Video](#)

Allied Makes An Appearance At The ANS conference



Nicole Morgan and Stanley Sutphin at the new ATR booth Photo by [ameliaislandphoto](#)



Nicole Morgan (ATR Advertising) and Maxwell Daniels (Idaho State University) Photo by [ameliaislandphoto](#)

In August Allied Technical Resources, Inc. had the display booth at the ANS conference in Amelia Island, Florida. The conference was a great opportunity to learn more about the contributions that Allied can make to the Nuclear Promise. Additionally, Allied was able



Stanley Sutphin (VP of operations & Business Development - ATR) & Dan Churchman - (Southern Nuclear) Photo by [ameliaislandphoto](#)



Dick Miller (Bechtel), Russell Dunlap (Senior VP - ATR), Jimmy Morgan (President - ATR) Photo by [ameliaislandphoto](#)

to connect with our Nuclear customers about their needs and how we can help find solutions for their challenges.

At the close of the conference we had a drawing for a Titleist golf wedge and Maxwell Daniels, the AGN-201 Reactor Supervisor at Idaho State University, was the lucky winner! Congrats Maxwell!

Tell Us About Yourself

If you are an employee of Allied Technical Resources, Inc. or Allied Specialty Resources, LLC. and have a unique story or talent, we want to know about it! Send us a letter describing what type of talent, event or activity you are involved in and you may see your story in the newsletter! Send emails to janiceduncan@alltechres.com

Did You Know?

In November, Allied Technical Resources, Inc. will be having a birthday! Allied Technical Resources, Inc. will be celebrating its 28th birthday on November 14th.

Are you having a special birthday or anniversary? We want to know about your special celebration! Email us at janiceduncan@alltechres.com and tell us all about your celebration!

