

The Ultimate Power Solution



PEAK
SUBSTATION SERVICES



Perfection is hard to expect from anyone, but I do expect support when problems, issues, or questions arise. And, without fail, Peak has always been there for us.



INTRODUCTION

WELCOME TO PEAK SUBSTATION SERVICES. Peak Substation Services, LLC is a substation packaging company serving Rural Electric Associations, Municipal Utilities, Contractors, Consultants, Investor-owned utilities, and Industrial Companies. Its core business is to bundle and pre-engineer all of the required electrical and structural components, products, and materials for Utility distribution and transmission substations. We have extensive experience in voltage ranges from 4160 to 500k(EHV). The structural members can be either steel or aluminum in a lattice, tube, beam, or tapered tube form. In addition to the structural components, we typically provide the electrical material used for switching, fusing, lightning protection, metering, grounding, connecting, current carrying components, and overload protection.

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*We come across many
hurdles and challenges in
our business. We may not
always know the answer,
but we will find it.
We guarantee it.*



ABOUT US

BACKGROUND

Peak Substation Services is a Structural and electrical materials packager for utilities, utility contractors, and industrial customers operating across the United States. With more than 1000 packages and 80+ years of combined employee team experience in substation packaging, design, distribution, manufacturing, construction, and procurement Peak Substation Services is a great resource.

DISTRIBUTION SERVICES

As a packager, we will help with the details of your design, procure and receive the material, and coordinate purchasing and delivery logistics.

SUBSTATION AND TRANSMISSION SERVICES

We perform complete material take-off's from drawings and specifications, provide budget information purchase materials, and ship to destinations across the United States. We also provide and ship high-voltage parts and materials on an as-needed basis through our Product Sales division.

BENEFITS OF USING A PACKAGER

Peak Substation Services adds value in many ways, but the most prominent are the reduce man-hours that are involved in coordinating and completing a project, and we can reduce the combined material costs for the project by maximizing our purchasing experience and vendor relationships.

MAN-HOUR REDUCTION

Every substation or overhead line requires many pieces of equipment and material that are usually required to arrive at the jobsite per a designated construction schedule or on a JIT basis. A packager is involved to reduce the direct involvement of the utility or consultant:

- Our Bill-Of-Material provides the customer with an itemized physical "take-off" where we determine each type, quantity, and size of material required for the job. This is performed from analyzing drawings and specifications of a pre-designed substation. We use our employees instead of yours to count and price everything from grounding material to the nuts and bolts.
- Purchase orders - we use our purchasing and shipping logistics department issue the many purchase orders required to complete a package while you send only one to us.



Although price can sometimes be easily duplicated in this field, we've found Peak's technical expertise and customer service is hard to match.



SUBSTATION PACKAGING



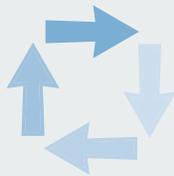
REDUCE MAN-HOURS

SERVICE LIST

Peak Substation Services adds value in many ways, but the most prominent are the reduced man-hours that are involved in coordinating and completing a project, and we can reduce the combined material costs for the project by maximizing our purchasing experience and vendor relationships.

Please call 877-324-0909 for more details or send us an email at lbutts@peaksubstation.com

SUBSTATION PRODUCT & COMPONENT SALES



SOLUTIONS TO STAY ON SCHEDULE

Problem solving and design questions - we have sources and experience that can be helpful with those last-minute changes that come with every project. We can get materials to the site from multiple sources to ensure that a project goes on-line in time.

Please call 877-324-0909 for more details or send us an email at jharris@peaksubstation.com

“
Each of the employees of Peak are experts at what they do. This fact makes for a product output with high expectations and of a high caliber. They also realize that they are not the final judge of their work, the customer is.
”

EMPLOYEE LIST



LAWRENCE (LARRY) E. BUTTS, P.E.

President

Project Mgmt/Electrical Eng.

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Since graduating from Georgia Institute of Technology in Atlanta, GA in 1985, Larry has been a team leader and member on over a thousand projects involving municipalities, utilities, co-operatives, consultants, government entities, contractors, industries and commercial clients. He has extensive experience in substation designs from 4160V to 500kV and is extremely resourceful in finding value engineering opportunities and expediting components when delivery is paramount. He is a Professional Engineer and a registered member of the Electrical Contractors Board in Alabama, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee – 1994, and has been a long standing member of the IEEE.

AREA OF RESPONSIBILITY

Project management and direction of engineering and operations for all divisions and departments.

EXPERIENCE

Electrical utility, industrial, and commercial contracting, engineering, substation packaging, manufacturing, and component distribution experience since 1985.



JASON HARRIS

Sales Manager/Project Mgmt.

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After graduating from the University of Alabama in Tuscaloosa with a Bachelor of Science in Commerce and Business Administration in 1995, Jason has worked in the electrical product distribution industry for a major distributor and substation packager. He has an expert and in-depth knowledge of vender resources, products, and shipping logistics. This is extremely valuable in those situations when needing responsive vendors in a emergency. He has a will do attitude, exceptionally high energy, and strives for perfection in customer service with a slice of intelligent humor to help lighten your day.

AREA OF RESPONSIBILITY

Substation packaging project management, product sales and sales representative management.

EXPERIENCE

Electrical distribution and substation packaging experience since 1995.



WILLIAM DAVIS

Estimating/Electrical Design
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Since obtaining a technical degree in engineering drafting – 1979, William has had one career. He has been in the substation packaging industry and has been a team member on thousands of proposed, designed, and completed substations. William has expert knowledge in substation compatibility and layout, vender products, vender resources, regional and geographic specific conditions, design requirements from 4160V to EHV, and can generate an accurate budget and design with only the bare minimum amount of information available.

AREA OF RESPONSIBILITY

Estimating, electrical design, and project management.

EXPERIENCE

Estimating and design of electrical substation packages since 1986.



MARK JONES

Project Mgmt/Civil Engineering
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Mark began his career in Substation design in 1997. He is another one of our employees that has focused his entire working career solely in the industry of substation design and packaging. With extensive experience in the use of AutoCad, Staad Pro (the premier structural engineering software product for 3D model generation, analysis and multi-material and foundation design software) and PLS Pole (a tapered tubular design software for custom structures), he has been involved in thousands of tested, tried, and proven structural designs and a team member on hundreds of projects working with Consultants, Utilities, and Contractors across the entire United States. Mark attended the University of Alabama in Tuscaloosa and Birmingham obtaining a BS in Civil Engineering. Mark is a member of both Tau Beta Pi and Chi Epsilon Engineering Honor Societies.

AREA OF RESPONSIBILITY

Substation packaging project management, steel and electrical substation design.

EXPERIENCE

Steel, electrical, and civil substation design since 1998.



LARRY VAN HORN

Project Mgmt/Civil Design
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Larry began his career in the substation packaging business in 1987. He is another one of our employees that has spent his entire working career solely in the substation packaging industry. With extensive experience in all areas of the business (warehousing, shipping, detailing, designing, checking, plant management, etc.), Larry makes a great addition to the knowledgeable staff at Peak Substation Services. Larry's strengths lie in his understanding of the many facets of steel design and being able to communicate complex issues effectively. He also brings the experience of having been a key team member on thousands of projects working with Consultants, Utilities, and Contractors across the entire United States.

AREA OF RESPONSIBILITY

Checking, steel design, and project management.

EXPERIENCE

Steel design, project management, and steel fabrication since 1987.



SUSAN PARK

Accounting/Customer Service
Purchasing/Shipping/Logistics
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A native of Michigan, started her working career in Georgia in 1987. She moved to Alabama in 1995 and began working in the substation packaging industry with utilities, consultants, and contractors across the United States. Susan has been a team member on thousands of Utility and Industrial substation related projects. She prides herself in having a professional level of multi-tasking ability and having extensive product knowledge along with a dedication to customer satisfaction through expert, detail driven customer service.

AREA OF RESPONSIBILITY

Accounting, purchasing and shipping logistics for all departments.

EXPERIENCE

Sales, customer service, accounting, purchasing, shipping in the substation packaging industry since 1995.

ALL EMPLOYEES HAVE BEEN TOGETHER AS A TEAM IN THE
SUBSTATION DESIGN AND PACKAGING INDUSTRY SINCE 2001.

“

In my experience, people perform best when they enjoy their work. I can tell that the employee's of Peak like this line of work.

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DESIGN GUIDE FOR RURAL SUBSTATIONS

The link and table of contents for the Design guide developed for the United States Department of Agriculture: RUS Bulletin 1724E-300 Design Guide for Rural Substations (Issued June 2001, 764 pages, PDF file format).

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RELATED LINKS

NESC National Electric Safety Code
AISC American Institute of Steel Construction
ASCE American Society of Civil Engineers
RUS Rural Utilities Service
NEMA National Electric Manufactures Assoc.
IEEE IEEE Standards

Chapter 2 - General Design Considerations
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