

# S.T. COTTER

## TURBINE SERVICES, INC.

# Turbine Tribune

S.T. Cotter  
Turbine Services,  
Inc.

Special points of  
interest:

- > Axis Mechanical Partnership
- > New Shop Space
- > The Runway Rotor Removal/ installation system
- > Faro Tracker Services
- > Steam Turbine and Generator Users Group

## Growth and Expansion

S.T. Cotter Turbine Services, Inc. has seen growth and change over the last year.



With the new partnership with Axis Mechanical Group, building addition shop and future office space, to expanding our capabilities with the Faro and Runway systems things are moving in the right directions for us. We are excited about the

growth we have been experiencing, the opportunities this has opened up for us and look forward to those that lay ahead.

We are always striving to think and move forward in the industry and with the new equipment, believe we are making strides the right directs. This better enables us to serve our customer and their need more efficiently, accurately, safely and cost effective manner.

Last fall, Rodney Johnson was brought on board as the VP of Sales and is heading up the Sales and Marketing team for both S.T. Cotter Turbine and Axis Mechanical jointly. Our team is exhibiting at

the trade show conferences and making new connections and making site visit talking with customers.

Growth is not easy and has its challenges; as we all know finding people is easy, finding the right people is the key. As we grow and add new team members, we never forget that the people on our team are the reason for the success and as long as everything is done with SAFETY in mind- all of our people will be sure to return to their people and that's the real reason for our success – caring for our “families.”

## New Partnership

S.T, Cotter Turbine Services along with John Hanks formed Axis Mechanical Group in the spring of 2015 and entered into a working partnership with S.T. Cotter. Axis Mechanical is based in Houston Texas and although they provide a lot of the same services as S.T. Cotter, they focus on the refinery side of the business. The two companies work closely together, in fact, on many projects team up;

each performing portions of projects that best suit their focus in the industry. This is proving to be a very successful partnership.

*“This has been a vision of mine for some time; I have seen others try this scenario but there is one thing others have always missed and consequently the scenario has not been as successful as it could be” – Shawn Cotter*

Putting the right people and newest technology in place is not hard for John Hanks – President of AMG, having the right management to allow those people to do what they see best is the key- and that takes guts.

To date AMG has surpassed sales forecasts and has signed many owner LTSA’s and MSA’s; the future is very bright for this *shining star!*

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## It's Been an Exciting Year for Axis Mechanical Group



Faro Laser Tracker



Axis Mechanical Group, Inc. is celebrating a successful first year in business and in partnership with **S.T. Cotter Turbine Services**.

In 12 short months, AMG established new offices, tooling and shop space, signed six major contracts, met/exceeded all financial goals, also launched an extremely successful laser tracker program.

Through the hard work and relationship building skills of our people, Axis has signed contracts with Koch Industries, Mitsubishi Compressor, Valero, Air Liquide, LyondellBassell, and Flint Hills Resources.

Field Manager, Jason Stovall recently returned from **LyondellBassell Berre Petrochemical**, Berre l'Etang, France. Stovall with laser tech, Kyle Denney, performed a steam turbine revamp and diaphragm alignment using the laser tracker system for the **first time in Europe!** Jason also provided consultant services for the revamp of the turbines through solo runs. They conducted an extruder alignment as well using Laser techniques new to the French.

In the US, AMG was sub-contracted by new partner **Mitsubishi Compressor** at

**Westlake Chemical** to set a 200,000 pound compressor. Field Manager, Eric Konarik and laser tech's Jonathon Hill and Rex Taylor, shot measurements on the compressor at the Mitsubishi shop were then able to set and level the compressor pedestal so the large compressor set down perfectly.

Konarik and Taylor also aligned a **GE Fitchburg turbine**; using the laser tracker they performed an internal diaphragm alignment. After the rotor was installed and clearance checked, the alignment was **dead on**; no packing needed to be scraped, saving days' worth of work. This was just one of several alignments done consecutively using the laser without needing to be scraped.

Axis has found success in building Custom Part Kits for customers; the guys at Koch liked them so much they ordered 60 kits. Our custom Axis tool storage units are also making great impressions throughout the industry.

Scoring a major coup early in 2016, industry wide safety guru Stephen "Safety Steve" Penny was hired. He will handle Axis' Safety Program and Quality Management Program. One of Steve's strengths is developing close relationships with customers on site, often becoming the initial contact when new jobs are being bid. AMG is smart to recognize this asset and has expanded Steve Penny's role into sales also.

Office Manager, Crystal van Sant has had an incredible year! She virtually created the AMG office from nothing and mastered the Viewpoint software. Crystal is expecting Baby boy Colton in July.

Axis Mechanical Group, Inc. would like to welcome Brandon Goodson, Rex Taylor, Josh Trammell, James Bergeaux, Kyle Denney, Paul Inabnitt, Scott Williams, Ken Gilbert, and James Clayton to our family of supervisors. These Men are the face of our company in the field. Day after day they carry out responsibilities that are instrumental to our success.

Axis Mechanical Group Inc. was recently spotlighted in a fascinating editorial in the BIC Magazine May issue. <http://trendmag.trendoffset.com/article/Manufacturers%E2%80%99SpecsAren%E2%80%99tAlwaysRight/2462142/298779/article.html>

This was distributed to all major industries also featured at several conferences and exhibitions across the US.

Axis Mechanical Group, Inc. has set some lofty goals for the coming year; focusing on establishing meaningful relationships with new clients, and signing more contracts also training more laser technicians and building the Quality Management program.

“performed a steam turbine revamp/and diaphragm alignment using the laser tracker system for the first time in Europe!”



Custom Parts Kit



Custom Tool Storage Units

## The “Runway” Rotor System

S.T. Cotter Turbine Service has acquired a new piece of capital deemed “The Runway”.

The Runway consists of several fully adjustable columns that support a smooth path for a variety of generator rotors. This pathway guides two adjustable trollies capable of supporting a combined 55 tons. The Runway uses a state of the art push/pull unit with an automatic reset and alarm to safely and

smoothly remove the field. The Runway can be configured in a variety of heights and lengths using only a forklift and personnel, giving S.T. Cotter Turbine Service the versatility the power generation industry demands. Existing methods for removing a rotor from a generator’s stator are very labor intensive; requiring a large number of operators and a high level of coordination to complete. The time and

labor required to remove and install the rotor can be reduced significantly using this hydraulically actuated system. Essential advantages this system brings is increased safety for man and machine, no need for heavy cranes and no overweight picks and the Rotor is tested, inspected and stored on the rail system during the outage. Expect to see the runway at the S.T. Cotter Turbine Service facility in Clearwater, MN this summer.

**“The Runway gives S.T. Cotter Turbine Services the versatility the power generation industry needs.”**



The “Runway” Platform



Drawing of the Rotor being removed using the Runway system

## Faro Tracker Vantage System®

S.T. Cotter Turbine Services started offering the Faro Laser Services in 2015, which has become very popular and beneficial for their clients.

The Faro Tracker Vantage System® allows S.T. Cotter to accurately (within



0.0006in) align and verify centerline alignment for any piece of rotating or reciprocating equipment with record speed. The Faro Tracker system is extremely versatile when time is of the essence. Real-time 3 dimensional readings can be displayed when internal components

are being moved, thus eliminating potential delays. The Tracker system can show shell and casing distortion along fit and flat surfaces as well as creating a centerline cylinder (rotor) from actual bearings.

**“Accept the challenges so that you can feel the exhilaration of victory”  
George S Patton**



## New Shop Space



Above is the finished building and to the right is under construction.



S. T. Cotter Turbine broke ground on a new facility in spring of 2015. The new building more than tripled the shop and maintenance space to account for future expansion and current

demand. 2167 196th Street East is still currently the company's address as the new building is adjacent to the old facility to eliminate confusion. Along with the addition of corporate

offices, in 2167, S.T. CTS has tripled its hydraulic wrench inventory along with several more tool connex sets.

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## New VP of Sales



Rodney Johnson, VP of Sales, joined the S.T. Cotter team in 2015 adding his experience of over 18 years in the Power Generation Arena to S.T. Cotter Sales and Marketing Team.

He obtained his Bachelor's degree in Business Administration from the University of Phoenix along with multiple

courses via EPRI, IRIS and Mechanical Dynamics and Analysis. His background is in generator service and repair.

Rodney is responsible for managing sales and growing relationships with both existing and new customers; he is ready to answer any of your project questions.

On a personal level, Rodney enjoys spending time with his family and outdoor activities. He is fluent in Spanish and served a two year church mission in the Dominican Republic.

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## What is S.T. Cotter Turbine Services?

**“ Some say it just a turbine company, to me it's family”**

Some say it's just a turbine company, to me it's family.

S.T. Cotter continues to evolve into the future for the ever changing turbine and rotating industries. We've brought in new tools to better our service to our clients. We take pride in every job from the 1 Mega Watt to 1000 Mega Watt turbines. Safety comes first! Our clients get trained, competent personnel; we network be-

tween our Technical Directors/Superintendents utilizing our collective years of experience on every barrier that may arise. With a ground-up approach and promoting from within ranks ensures a long lineage of competent Supervision, making our company one of the leading service providers in the industry.

In keeping with our commitment to customer satisfaction, our leadership has a hands-on approach to

every aspect of the projects we do.

As we do for family, we are always striving for better. We have implemented a successful mentoring program for next generation of Apprentices as they work to become Millwrights, bringing new energized craftsmen to service our clients.

Dave Byerley, PM/Sales

**We're on the  
web!**

[www.stcotterturbine.com](http://www.stcotterturbine.com)

**and**

**Facebook**

[https://  
www.facebook.com/  
pages/ST-Cotter-  
Turbine-Services-  
Inc/34768126859153](https://www.facebook.com/pages/ST-Cotter-Turbine-Services-Inc/34768126859153)

S.T. Cotter Turbine Services, Inc. A complete turnkey services provider with a focus on steam turbine, gas turbines and precision rotating equipment in refineries, power plants paper mills ethanol plants and other heavy industrial facilities. We provide service for planned maintenance, emergent outages and balance of plant work.

Our field technicians staff with 75 years of project management. Our Workforce has over 200 years of combined experience in the field. Our Current EMR is .69.

**Safety and Quality are #1!**

**S.T. Cotter Turbine  
Services, Inc.**

Your Complete Turnkey  
Service Provider



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## Steam Turbine and Generator Users Group 2016

July 12<sup>th</sup> thru 14<sup>th</sup> S.T. Cotter will be hosting the Third Annual Steam Turbine and Generator Users Group Conference 2016.

This conference is geared to be a meeting for sharing information and technology, learn solutions and network with fellow users and vendors.

It has been very successful and will be held at the Best Western Ramkota Inn in Bismarck, ND again this year. Rooms have been blocked at the Ramkota, call now to make your Reservation (701) 258-7700

There will be scheduled conference sessions and round table discussions.

We are working hard to get the details finalized. For more information or to register your spot call Missy or Nichole at 612-424-5614



*"I found the conference to be an informative and beneficial interchange if ideas, solutions and networking ..."*  
*An Attendee*



**Presenters:**  
Progress Pump  
ATS/Sonomatic  
Brush  
Vibration Analysis Company  
Bearing Repair Company

**New Presentations Year:**  
The Faro Tracker System  
Drones , Exciters and Generators