



# AIRCRAFTSMAN

CORPUS CHRISTI ARMY DEPOT

May-August 2022



We Keep the Army Flying!  
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# COL Kyle M. Hogan is CCAD's 28th Commander

Article by Della Adame, Public Affairs Specialist

Photos by Ervey Martinez, Multimedia Imaging Specialist

CORPUS CHRISTI, Texas -

A new commanding officer took charge of the Corpus Christi Army Depot (CCAD) during a change of command ceremony marking the formal transition of command from outgoing commander Colonel Joseph H. Parker to Colonel Kyle M. Hogan. The event was held aboard Naval Air Station Corpus Christi on Friday, July 15.

Colonel Hogan is CCAD's 28th commanding officer.

Major General K. Todd Royar, Commanding General of the Aviation & Missile Command, served as the host and said, "We thank Colonel Parker for a job well done, but also recognize the job and leadership that is exhibited every day by the Corpus Christi Army Depot."

Under Parker's leadership, CCAD achieved numerous milestones, including coming through the global pandemic of 2020 and the overseeing the first UH-60 Victor model Black Hawk aircraft flight test and delivery in 2021.

During Parker's speech, he thanked his family for the support

that allowed him to chase his dreams from Snyder, TX to West Point, around the globe and to Corpus Christi. He thanked those leaders present for their contributions to his career and complimented the professional work force for its dedication, tenacity, teamwork and unparalleled commitment to quality and safety.

"I am very honored to have been with you for 25 1/2 months," said Parker, "CCAD is a family.



Deputy and Chief Operations Officer, Rod Benson (left), presents COL Joseph H. Parker (right) with a plaque of appreciation.



L-R: COL Kyle M. Hogan, MG Kenneth T. Royar, MSG Joshua McKee, and COL Joseph H. Parker, stand at attention as the colors are passed to signify the formal change of command.

We live and work together in the community because we know that our work here is important to our Soldiers around the world. The civilian employees of the depot are entrusted by the U.S. Army and our people are our nation's greatest resource."

As he concluded his speech, Parker said, "The depot is in great hands, Colonel Hogan is getting the best civilian work force in Army aviation and concluded with his signature 'Go Army, Beat Navy!'" Parker then rang the bell of the USS Albemarle, symbolic of the end of a

(Story continues on page 3)

## Depot Bids Farewell to SGM Peden

Article by Kat Pettaway-Clarke, Lead Public Affairs Specialist

Photo by Ervey Martinez, Multimedia Imaging Specialist

CORPUS CHRISTI, Texas - Sgt. Maj. William M. Peden relinquished responsibility for the Corpus Christi Army Depot in a ceremony on May 27.

Arriving in Corpus Christi in January 2021, Peden became the CCAD ambassador to the aviation enterprise. He showcased how the depot could fulfill the warfighter's training needs. He campaigned with leaders and Soldiers at various units to understand the opportunities CCAD can provide Soldiers on the battlefield.

"Peden was the right leader at the right time," said Colonel Joseph H. Parker, CCAD commander. As a leader, he spent countless hours ensuring Soldiers



training at CCAD had the tools they needed to succeed, advocating for teamwork and professionalism in aviation mechanics and repair.

"CCAD has a huge industrial footprint, and it's because of the people," said Peden. "The people of CCAD care. Whether it's somebody crunching numbers or an artisan scanning components, quality work does not happen without a skilled workforce."

He was presented with the Meritorious Service Medal (3 Oak Leaf Clusters) by Col. Parker.

"Sgt. Maj. Will Peden is an exceptional Soldier and leader. His performance at CCAD has been

(Story continues on page 3)

# Commander's Corner



## Team CCAD:

My family and I are very excited to be part of this organization, this community and to live in South Texas. I'm humbled to join a world-class organization and feel like I am jumping on a moving train. It is impressive watching the team accomplish challenging tasks with a keen focus on the quality of the products going to customers. This team continues to adapt, overcome, and enable success for our Nation's warfighters. I am thrilled to see what innovative actions, initiatives, and capabilities come with this new challenge. I am confident that the Depot's 61-year history of success will stand as an inspiration for the future. Our team is solid, and our modernization efforts are improving our efficiency. Say hi when you see me walking the grounds, and feel free to educate me on what you do for our nation.

**KYLE M. HOGAN**  
Colonel, Aviation

*(Hogan, continued from page 2)*

Soldier or employees time at the depot. His next assignment is at the Pentagon in Washington, D.C.

After orders were read, incoming Commander, Colonel Hogan took the podium and thanked commanding officers, fellow Soldiers, and his immediate and extended family.

He closed his speech by addressing the civilian workforce, "I am humbled at the opportunity to join such a winning team here

at CCAD, which is vital to the success of our nation, and to be part of the community of Corpus Christi which continually supports our service members."

Hogan is a strong proponent of the coaching and feedback strategy of harnessing human capital to develop goal-oriented self-driven and emotionally astute leaders.

In a recent article Hogan wrote, "Leaders who are more aware of themselves and their subordinates will perform better, resulting in a better performing work force.

Humans are more important than the hardware and a well-rounded leader, emotionally astute leader brings clarity."

CCAD is a US Department of Defense Center of Industrial and Technical Excellence for rotary wing aircraft. It has been a tenant of Naval Air Station Corpus Christi since 1961. The CCAD mission is to ensure aviation readiness by providing helicopter and component repair and remanufacturing facilities for all service and international sales programs.

*(Peden, continued from page 2)*

exemplary and ensured the depot's success at echelon," said Parker.

"Our Victor program, modernization efforts and P2P rates are on track. In addition, his engagement with the workforce has made us better. On a personal level, he has been a great sounding board and ensured I had the freedom to command at all times."

Peden also inspires Soldiers to improve their fitness and be their very best. Spc. Christian Kerkado-Colon represented CCAD

and the U.S. Army Aviation and Missile Command and won the 2021 Army Materiel Command Best Warrior Competition under Peden's mentorship.

That same drive inspires the civilian workforce to do their best because their efforts to fix helicopters and manufacture components directly impact the warfighter.

"I look forward to my Soldiers opening containers of remanufactured and repaired parts with that Texas sticker because I know that those parts were handled with the highest care and

quality," said Peden. "I am excited to receive 10 UH-60Vs at my next assignment. Artisans at the depot are the best. I won't forget CCAD."

Peden rang the Albemarle's ship bell to signify his departure from the depot as his final gesture.

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### **Note from the Editor:**

*SGM Jon L. Trawick assumed responsibility for the Corpus Christi Army Depot on August 25. Read the story on page 5 of this edition of the CCAD Aircraftsman.*

# AMC Soldier of the Year: Army Birthday in NYC



CCAD Military Police Officer Specialist Christian Kerkado, AMC Soldier of the Year, was invited to accompany General Edward Daly, Army Materiel Command (AMC) Commanding General and military and civilian representatives to New York City to participate in events at the New York Stock Exchange and at New York City's Times Square for the Army's 247th Birthday. The group had a whirlwind day in New York City bringing awareness to AMC initiatives to modernize the Organic Industrial Base and Army supply chain. They also toured the Brooklyn Navy Yard and met with leaders in the financial industry.

Kerkado, winner of the 2021 AMC's Best Warrior Competition, was promoted to sergeant in July 2022.

## SCAN BOX RIBBON CUTTING

Article by Kat Pettaway-Clarke & Benjamin Thomason  
Photos by Ervey Martinez, Multimedia Imaging Specialist

CORPUS CHRISTI, Texas — Corpus Christi Army Depot recently completed another modernization initiative milestone with the installation of an automated 8360 ScanBox system, an optical 3D measuring machine.

The 8360 ScanBox measures millions of points across aviation components and produces a 3D digital scan of parts in their real-world condition. This approach to measurement is a step forward for current operations that have historically depended on calipers, micrometers, or feeler gauges as the primary measurement tools.

"We're excited about the 8360 ScanBox joining with our blue light scanning technology," said Col. Joseph H. Parker, CCAD commander. "It's going to make us faster and increase efficiencies."

The 3D file is loaded into an inspection software to make parts evaluation easier for the artisan during damage assessment. The artisan can review the inspection report while also digitally traversing the landscape of the part to determine additional discrepancies in the surface. Artisans can also make more effective data-driven decisions that may reduce parts repair costs and provide

quicker delivery to the customer. The technology augments the Complex Assembly Manufacturing Solution and the Logistics Modernization Program to keep visibility of shop floor operations, increasing the ability to streamline and improve production processes.

The 8360 ScanBox improves the damaged part assessment when parts first enter the depot, which aids in assessing required repairs. Once components have been through the repair process, the 8360 ScanBox provides a faster turnaround while simultaneously documenting if repaired components meet aviation requirements prior to installation in the aircraft. This modernized measurement approach removes subjectivity inherent with previous inspection processes.

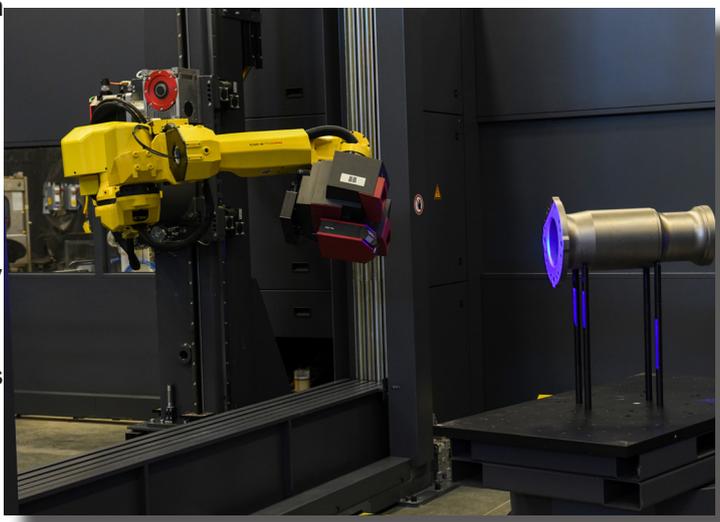
"Newly installed blue light scanning technology system enhances the depot's ability to evaluate parts that historically



(L-R) SGM Peden; DEVCOM AvMC Metrology Lab lead Benjamin Thomason; Division Chief of Engine Process Support Ralph Molina; COL Parker, Deputy and COO Rod Benson.

were considered beyond economical repair, or did not have any approved repair processes, thus providing an opportunity to increase repair capabilities in multiple areas," said Felipe Martinez, a force modernization specialist. "Our Production Engineering Directorate or engineers continue to identify, evaluate, test, and verify the applicability

*(Story continues on page 13)*



# Sergeant Major Trawick Assumes Responsibility

Article by Della Adame, Public Affairs Specialist  
Photo by Ervey Martinez, Multimedia Imaging Specialist

CORPUS CHRISTI, Texas – The Corpus Christi Army Depot (CCAD) hosted an assumption of responsibility ceremony Aug. 24 to welcome its new sergeant major.

Sergeant Major Jon Trawick, a California native, assumed responsibility of the depot, a helicopter and component repair and remanufacture facility for U.S. Army, during a formal ceremony.

Soldiers, family, friends, and members of the local community gathered in an aviation hangar with a large U.S. flag as the backdrop flanked by Black Hawk helicopters. The ceremony highlight was the passing of the depot flag or colors from the depot commander to the incoming sergeant major. With the passing of the colors, the organizations legacy is passed as building blocks for future performance and achievement.

Colonel Kyle Hogan, CCAD commander, welcomed him to South Texas, noting the ceremony as a renewal of the leadership team at the depot.

“Sergeant Major Trawick will rapidly become an integral member of this incredible lineup, adding to the depot’s unique history, joining our band of 3000 professionals in its 61st year of existence,” said Colonel Hogan.

Sergeant Major Trawick thanked Command Sergeant Major Bradford Smith from the Army Aviation and Missile Command, CCAD leadership and those in attendance while acknowledging those who are serving around the globe. He stressed how they benefit from the depot’s capabilities to ensure readiness to support Army requirements. He



(L-R) Colonel Kyle M. Hogan, CCAD Commander, transfers the depot flag to incoming CCAD Sergeant Major Jon L. Trawick, as Master Sergeant Joshua E. Mckee, Military Police Non-commissioned Officer in Charge stands at attention.

also recognized the workforce as the #1 priority and vowed to be an advocate doing what he can to facilitate a diverse and effective workforce going into the future.

“The thing that stands out is commitment and the way in which everyone defers to the output of the depot. The appreciation everyone articulated to me about the depot from so many different perspectives is both impressive and inspiring,” said Sergeant Major Trawick.

Ceremonies such as the assumption of responsibility are a military tradition that embrace and recognize the high standards bestowed upon the recipients. The sergeant major is the senior enlisted Soldier and principal advisor to the commander.

“I’m confident that Sergeant Major Trawick’s leadership will improve the lives of our Soldiers and the workforce of the Corpus Christi Army Depot, and he will ensure that the high standards we have set are maintained to keep the Army flying,” said Colonel Hogan.

The ceremony concluded with the singing of the Army Song.





**Human Capital Management  
Workforce Management  
January - March 2022**



# Awards & Recognition



**CIVILIAN SERVICE  
COMMENDATION  
MEDALS**

Frederick Culpepper  
Shannon Westmoreland

**CIVILIAN SERVICE  
ACHIEVEMENT  
MEDALS**

Glenn Ball  
Sherman G. Johnson Jr.  
Brett C. Sandefur  
Thomas Castellanos III  
Lonnie R. Johnston

Russell Schultze  
Javier De Leon  
Yessica Hernandez-Mendoza  
Randy Smithwick  
Heriberto Franco Jr.  
Andres C. Martinez  
Omar Valenzuela  
Pedro A. Garcia  
Felipe Martinez  
Lori J. Garza  
Robert S. Martinez  
Gregory N. Johnson  
Joyce E. Nurse

**CERTIFICATES  
OF  
ACHIEVEMENT**

Javier De Leon  
Margaret M. Olund  
Brett C. Sandefur

**CERTIFICATES  
OF  
APPRECIATION**

Guadalupe E. Flores

## CORPUS CHRISTI ARMY DEPOT RETIREMENTS

### January - March 2022

**Frederick S. Culpepper**, 52 years, physical science technician, Directorate of Quality Management, March 2022.

**Carlos Lopez**, 37 years, painter, Directorate of Manufacturing Processing, February 2022.

**Jack R. Hill, Jr.**, 33 years, carpenter, Directorate of Facility & Property Management, February 2022.

**Oralia H. Basaldua**, 32 years, auditor, Office of the Commander, March 2022.

**Michael D. Kaufman**, 25 years, toolmaker supervisor, Directorate of Manufacturing Processing, January 2022.

**Glenn S. Ball**, 20 years, aircraft examiner (sheet metal mechanic), Directorate of Quality Management, February 2022.

**Falko Buchanan**, 18 years, engineering technician (mechanical), Directorate of Production Engineering, January 2022.

**Vanda A. Latta**, 13 years, aircraft production analyst (master schedul-

er), Directorate of Production Management, January 2022.

**Noemi C. Vargas**, 11 years, aircraft pneudraulic systems worker, Directorate of Accessories & Rotor Blade, January 2022.

**Hilda I. Santos**, 10 years, aircraft overhaul trades helper, Directorate of Aircraft Production, January 2022.

**Juanita C. Martinez**, 9 years, maintenance requirements planning specialist (aircraft), Directorate of Planning & Supply Management, January 2022.

# Corpus Christi Army Depot's Outstanding Performers

**CCAD Outstanding Performers**

**George Perez  
Ricky Sanders Robert Barrera**



CCAD would like to recognize Mr. George Perez, Mr. Ricky Sanders and Mr. Robert Barrera and from the Directorate of Manufacturing and Process Production (DMPP) for manufacturing upper and lower skin for an AH-64 Apache. Their expertise and tenacity led to the creation of upper and lower tail cone splice skins in only four months vs the 24-month lead time to procure. Actions and skills such as these are vital for CCAD to "Keeping the Army Flying".

L-R front: Perez, Sanders, Barrera



**CCAD Outstanding Performer**

**NICOLE GARCIA**



Ms. Nicole Garcia, Environmental Protection Specialist in the Facility and Property Management Directorate, organized and led the Earth Day event that took place April 22 at Flour Bluff Middle School.

Nicole put in many months of planning for this CCAD Community Outreach event and worked with the Army's Regional Energy & Environmental Office to ensure its success.

Over 800 students received coloring books, t-shirts, and goodie bags.

She coordinated volunteers from local natural resources groups and environmental entities to present live animals including a boa constrictor, a macaw, a sloth, and a baby alligator during the event.



**CCAD Outstanding Performer**

**CARLOS GARCIA**



Mr. Carlos Garcia from the Directorate of Facility and Property Management was responsible for correcting an issue with sensors and gauges, restoring operations at Bldg. 1882. He installed and then coordinated with Test, Measurement, and Diagnostic Equipment (TMDE) to calibrate the magna-helic gauges and humidity sensors. Mr. Garcia worked expeditiously and determined the most efficient route to get the Aircraft Corrosion Control Facility running and back in production. His efforts restored multiple booths to operation with minimal down-time.

"Winning Matters" is not just a motto for Mr. Garcia, but a call to action.



**CCAD Outstanding Performer**

**SHAUNA MCCONLEY**



Ms. Shauna McConley is recognized as an Outstanding Performer in the Directorate of Supply Management, Inventory Management Division. Her actions resolved over \$1.2M in frustrated material transfers from the shop floors to the Work In Process Control Area (WIPCA).

Shauna's knowledge, skills, and her direct on-the-job training with shop floor personnel were instrumental to CCAD. Her dedicated efforts save the Depot millions of dollars in potential inventory and revenue losses.



**CCAD Outstanding Performer**

**ERIC REYNA**



Eric Reyna, the Airframes Master Data Management (MDM) Branch Chief from the Directorate of Production Engineering (DPE), helped to develop a CAPP Plan for long term preservation of engines coming off aircraft on the Directorate of On-Condition Maintenance (DOCM) line. The preservation process was created to reduce the number of engines tagged as beyond economic repair (BER).

The improvements which Mr. Reyna helped to develop and apply to the preservation process can potentially save CCAD approximately 1M per every DOCM Aircraft inducted.

*"I appreciate the recognition but this was in no way a manual effort and I could not have done this without the expert knowledge provided by all parties involved."*

-Eric Reyna, Branch Chief



**CCAD Outstanding Performer**

**GORDON BRADFORD**



Gordon Bradford, Directorate of On Condition Maintenance (OCM), devised a system for combining two major modifications to the Black Hawk aircraft - the Transition Section Door (TSD) Modification installation and the Lower Transition Upgrade (LTU) Structural Service Instruction.

While performing the LTU, he realized the door modification was going to greatly affect the outcome, so he built a shop aid. Determining where steps would be most effective and without compromising quality, he compiled a workflow that an artisan can easily follow.

Mr. Bradford understands that efficiency overcomes variance, and sensible processes make DOCM more effective.



# Tours

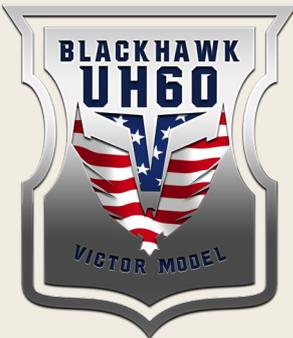




CORPUS CHRISTI ARMY DEPOT  
THE CORNERSTONE OF ARMY AVIATION



MG TODD ROYAR, AMCOM CG AND MG MARVIN HUNT, TAG-NC  
ARMY NATIONAL GUARD BUREAU – AVIATION LEADERS VISIT  
JUNE 23, 2022



CORPUS CHRISTI ARMY DEPOT  
THE CORNERSTONE OF ARMY AVIATION



CSM BRADFORD SMITH  
AMCOM SERGEANT MAJOR VISIT  
JUNE 23, 2022



3/160th Special Operations  
Aviation Regiment (Airborne)  
Corpus Christi Army Depot  
20 JULY 2022



## Around the Depot



ABOVE: Soldiers training at the depot learn valuable skills by working with skilled artisans in the hangars and using what they have learned with their home units and in the field. SGT Lord Rigonan, 1106 TASMG CA ARNG, is perched above a UH-60V Black Hawk to remove rivets from the sheet metal skin. The section will be removed and replaced with new sheet metal.



ABOVE: Private First Class Michael Spencer, an active-duty soldier from the 404 Aviation Support Battalion (ASB), 4 Combat Aviation Brigade (CAB,) based at Fort Carson, CO., one of five soldiers from Fort Carson CO training at the Depot, uses wax string to bundle wires inside the avionics cockpit area of the UH-60V. Spencer received the equivalent of two years of hands on experience during training as the rewiring an entire helicopter only occurs at the depot level.



RIGHT: PFC Shauna-Kaye Williams (left), PFC Jaylee Miranda (middle), SPC Janeth Garcia-Rodas (right), Automated Logistics Supply Specialists with the 1109th TASM CT ARNG, completed their annual training at CCAD with Defense Logistics Agency Distribution Corpus Christi. The opportunity to work and learn alongside civilians allows them to apply what they have learned to their home unit distribution program.



ABOVE: Master Sergeant Joshua McKee presented Specialist Christian Kerkado with a copy of the NCO Creed in during his promotion ceremony in July. Sergeant Kerkado is a military police officer at CCAD and the 2021 AMCOM Soldier of the Year.



ABOVE: Lieutenant Benjamin Riggs was promoted to Captain in May. Riggs served at CCAD in the legal department. His parents, Daniel and Lisa Riggs and brother, Jake, were in attendance at the ceremony to pin him with his new rank.

## Around the Depot



ABOVE: Soldiers from CO A 1106 TAMG conducted their annual training at the Corpus Christi Army Depot working alongside depot artisans in various directorates. Soldiers honed their skills in aviation power plant repair, machining, hydraulics and maintenance of the UH-60V and CH-47 aircraft. Pictured are SGT Krescenda Skerjve, SSG Yevgeniy Tarabanov, SSG Juan Carlos Quintanilla, SGT Diego Urena, SFC Jajuane Smith, MSG Lucio Perez, SSG Manuel Vivanco Quinones.



ABOVE: Specialist Angel Lopez (left), Sergeant Lisandra Rodriguez (top left), Specialist Jofranny Toribio (top right), Specialist Ciselía Colechia (right), Private First Class (PFC) Jonathan Santos (bottom left), Specialist Joselin Malla (bottom right), Automated Logistical Supply Specialists with the 1109th TASM CT ARNG, completed their annual training at the Corpus Christi Army Depot with Defense Logistics Agency Distribution Corpus Christi utilizing skills in packing, preservation, reception and maintenance of small items for shipment and storage.



ABOVE: Specialist Kevin Ferrington, an active-duty soldier from the 404 Aviation Support Battalion (ASB), 4 Combat Aviation Brigade (CAB,) based at Fort Carson, CO., shoots rivets through the tail boom of a UH-60V while working in the structures hangar at the Corpus Christi Army Depot.



ABOVE: SPC Kacia Sterling (front), a Laboratory Petroleum Specialist with the 1109th TASM CT ARNG, is testing for water contaminants in an oil sample at the Corpus Christi Army Depot's Army Oil Analysis Program Lab. Lab manager Albert Banda (back), oversees the testing. The unit conducted its annual training at the Depot for the opportunity to work and learn alongside CCAD artisans. Soldiers will apply what they have learned at CCAD to the maintenance of aircraft at their home units. SPC Sterling is from Stamford, CT.



## Workforce Development: NCAA Coach Provides Insight

Article and photos contributed by Manny Guzman, Workforce Development Work Lead Steve Lutz, Texas A&M University Corpus Christi Islanders Head Basketball Coach, was a guest speaker for the Upward Leader Investment for Tomorrow (UPLIFT) Program Class 22-1. The program is a six month professional development course.

In his first season as the Islander basketball head coach, he led the team to the 2022 NCAA Tournament. He was also named a finalist for the 2022 Joe B. Hall National Coach of Year Award. The award is presented annually to the top first-year coach in Division I college basketball.

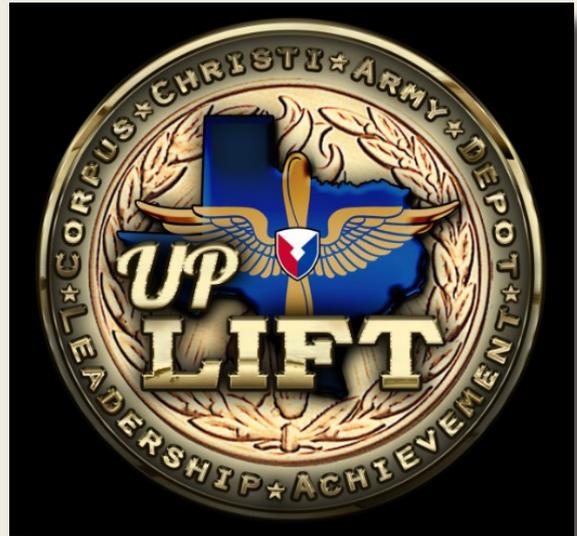
Coach Lutz provided the UPLIFT group with some of his leadership insights. He started by stating the importance of integrity. He emphasized everything starts with “be honest and tell the truth”.

Once honesty is instated, that sets the foundation for his leadership philosophy. “Love Your Teammates; Do the Right Thing; and Be Your Best”. This philosophy is encompassed in his “Be Legendary; Play Hard” mind set he instills in his players.

Coach Lutz spoke to the role of empathy in relationship building. Additionally, he stressed the importance of holding people accountable in their roles and providing constructive feedback when not meeting expectations.

Without any prior knowledge of the UPLIFT program, Coach Lutz spoke to components of the program. For example, UPLIFT students are expected to identify their values, develop a leadership philosophy, and display Army leader attributes i.e., be a leader of character, presence, and intellect.

The UPLIFT leadership program was designed specifically by CCAD’s Workforce Development staff to give depot employees an opportunity to engage with their colleagues and mentors in a structured leadership model exploring concepts and principles from the Army and business industry.



# CCAD & GE Participate in Strother Fields Kaizen Event

Article and photos contributed by  
Dalexis C. Flowers,  
Director of Engine Production

The CCAD/GE Kaizen event at Strother Field, Kansas June 13-16, was a success. Kaizen, or rapid improvement processes, is considered to be the “building block” of all lean production methods with focus on eliminating waste, improving productivity, and achieving sustained continual improvement in an organization’s targeted activities and processes.

GE’s two process improvement events goal was to reduce the Repair Cycle Time (RCT) for the T700 Engine, and the Overhaul of the Power Turbine Module. Teams refined the GE



CCAD subject matter experts Ruben Teran (left), T700 Engine Assembly Line Branch Chief, and Dalexis C. Flowers (right), CCAD Director of Engine Production participated in the recent Kaizen event in Kansas.

Value Stream to eliminate waste, adjusted the Container Repair Route and incorporated visual aids and production boards. Changes will optimize workload prioritization, process flow, and enhance the daily production meetings.

The results are a projected reduction of the RCT of over 50

percent. GE will require a high level of visual aid management until it transitions into an Enterprise Resource Planning (ERP) System environment that will allow for systematic visibility.

Corpus Christi Army Depot will implement the Power Turbine Module 6S process to include visual aids.

*(Scan box, continued from page 4)*

of BLS across multiple weapon systems and maintenance processes.”

The 8360 robotic scanning system was strategically redeployed from Redstone Arsenal, Alabama to CCAD as part of a partnership between CCAD and the Combat Capabilities Development Command Aviation and Missile Center Metrology Lab structured in AvMC’s System Readiness Directorate Manufacturing Technology Division. The Collaborative Modernization Lab consists of AvMC and CCAD employees working together to forge the future of measurement, inspection, and reverse engineering & re-engineering capabilities.

DEVCOM AvMC Metrology Lab lead Benjamin Thomason said, “Industry is operating in a digital age where designs are modeled in 3D, analysis is performed in 3D, by leveraging Computer Numerical Controlled machining, through the strategic redeployment of the 8360 ScanBox. CCAD is now able to leverage automation to measure and inspect parts in the 3D domain. As part of the Army Futures Command DEVOM AvMC’s ManTech group, it is our

job to identify critical technologies and then help to transition them to the organic industrial base. We have collaboratively demonstrated this scanning technology efficacy in the CCAD operational environment through our work in the DeCML lab.”

The automated non-contact 3D scanning technology is termed a disruptive innovator due to the possibilities for numerous aviation and readiness wins. The robotic scanning cell incorporates two mechanical arms where each arm is on a on a linear rail. Both robotic arms support a structured blue light non-contact 3D scanner. The system can capture scan data in three different data capture bays.

Thomason continued, “We also completed system checks that qualify the 8360 automated measurement system. We are now developing automated scanning routines and inspection templates for operational deployment into CCAD’s operations. At our core, we are here to partner with the depots to enable modernization through technology transition to meet the readiness mission of today while ensuring the toolsets are in place to forge the future of

tomorrow.”

“Deploying this technology to the production floor in the Pre-Shop Analysis and Examination and Evaluation groups will increase the speed, accuracy, and confidence of the dimensional checks required during the inspections of thousands of aircraft components,” said Forest Kelman, chief of Industrial Engineering Division.

During a ribbon-cutting ceremony for the 8360 ScanBox, the automated scanning process highlighted the speed of automated measurement and the resulting cost savings. The flight component in the demonstration saved \$50,000 per aircraft. In forecasting productivity, the goal is to decrease future costs by lowering the potential for increased expenses; this technology is key to cost avoidance.

Roderick Benson, Deputy and Chief Operations Officer, stated that if CCAD had purchased the robotic scanning system, the cost savings by replicating components would quickly pay for itself.

“If CCAD produced 40 of the demonstrated parts that would pay for the 8360 ScanBox in two years,” said Benson.

# NOT EVERY FIGHT IS ON THE BATTLEFIELD



THIS IS OUR ARMY.



SP2  
SUICIDE PREVENTION  
PROGRAM

[www.armyresilience.army.mil/suicide-prevention](http://www.armyresilience.army.mil/suicide-prevention)

If you or someone you know are experiencing thoughts of suicide call the 24/7 -  
**Military/Veterans Crisis Line at 1-800-273-8255 and Press 1 or text 838255**  
You can call 988 and Press 1 to reach the Military Crisis Line from any phone.  
\* \* \* \* If you are calling from a CCAD line you will need to dial 99988 \* \* \* \*

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#WeKeepTheArmyFlying  
#CCADSalute #CCADstagram  
#CCADSocialMedia #AboveTheBest



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## CCAD Command Team

COL Kyle M. Hogan  
Commander

SGM Jon L. Trawick  
Depot Sergeant Major

Mr. Rod Benson  
Deputy and Chief Operations  
Officer

Mr. Tom Bamford  
Chief of Staff/Senior Editor

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Aircraftsman Editor

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Multimedia Imaging Specialist

Mr. Jerry Duenes  
Audio Visual Specialist



It's a tradition for CCADers to wear RED shirts on Fridays to Remember Everyone Deployed. We are proud to show solidarity and support for all military personnel regardless of rank. Whether military personnel are stateside or stationed abroad, we salute all our Warriors. #TillTheyAllComeHome #REDFriday #RememberEveryoneDeployed

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