# EAST GATE EDITION

US Army Corps
of Engineers®
Far East District

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## 27th Korean Ministry of National Defense Exchange Program

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**US Army Corps of Engineers®**
**Far East District**

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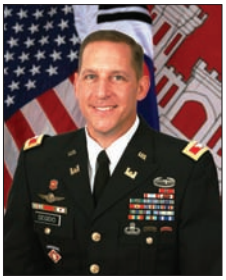
## *On the cover*

*Members of the Korean Ministry of National Defense tour a project site at U.S. Army Garrison Humphreys Feb. 16 as part of FED's MND Exchange Program. (Photo by Patrick Bray)*



Col. Donald E. Degidio, Jr.

# Commander's Corner

*To the Great Team of the Far East District and our entire Team of Teams,*

Throughout the month of February we have picked up the pace here in the Far East District. We have accomplished great things for our customers.

Our customers are an integral part of the Far East District and are among the most important part of our District. We strive to satisfy our customers' expectations and continue to produce the highest quality of deliverables; projects that are on time, within scope and budget, and completed safely.

With that in mind, the District successfully passed its ISO 9001standards recertification this month. Recertification is conducted every three years. The auditors inspected each and every staff business process and found all to be in compliance. Our successful audit showed that we are continuously improving our techniques and customer service. The Far East District will make every effort to move from "Good to Great."

We continued our commitment to our customers by welcoming our partners from the Korea Ministry of National Defense this month as we exchanged with them some of our business practices. This MND Exchange Program has now been ongoing for 27 years and has contributed greatly to strengthening our bilateral relationship with the Republic of Korea.

Building Strong in Korea is our motto! This month we opened a new warehouse at Camp Carroll, turned over a renovated aid station at K-16, and at Kunsan completed work on a water treatment plant.

In this issue of the East Gate Edition, we've highlighted just a few of our great customers here on the peninsula and elsewhere.

To our great Alliance – Katchi Kapsida!

To our great Corps – Essayons!

One Team Building Strong® in Korea!

# Stress Overload Can Affect Your Safety

Everyone has it and it isn't all bad. But when we suffer from stress overload it can affect our health, and even our ability to work safely. A reasonable amount of stress can motivate us to work better and faster. But excessive stress can cause many problems such as health difficulties. It can also keep us from concentrating on working safely.

### Some symptoms of too much stress:

- Sleeping difficulties.
- Feelings of anxiety and of being overwhelmed.
- Being short-tempered and uptight.
- Physical sensations such as tense muscles, headache or upset stomach.
- Abuse of substances such as food, cigarettes, alcohol or drugs.

### Some ideas of how to cope with stress:

- Maintain general good health. Eat nutritious meals regularly each day. Your diet should consist largely of healthy food such as whole grains, fresh fruits and vegetables. Foods which are high in fat, salt and sugar should be kept to a minimum. It is important to get adequate sleep and rest. Exercising daily or at least several times a week will also help you to stay strong enough to cope.
- Avoid drugs. When we are under stress, it is tempting to turn to this kind of relief. However, the abuse of drugs such as alcohol, caffeine, nicotine, prescription drugs, over-the-counter remedies and street drugs will eventually just add to your problems.
- Special relaxation techniques might prove helpful. You can obtain more information about these methods from books and tapes which are widely available, as well as community programs, self-help groups and some therapists. One of the most simple of these techniques is taking a number of deep, slow breaths and exhaling completely. Another involves deliberate progressive relaxation of different muscle groups.
- Find someone to talk to. Problems become more manageable when you discuss them with a friend, a member of your family, a clergy person or a counselor. Contact your employee assistance program officer for assistance.
- Give some thought to your priorities. You can't do everything and you can't be responsible for everything. Decide what is really important in your life and focus on that.
- Other problems can perhaps be ignored. Many of the things we worry about are beyond our control or never actually affect us.
- Learn to relax on your time off from work and other responsibilities, even if it is very short. Every day do something you enjoy.
- Learn to set realistic goals. If you are working toward specific goals, day-to-day difficulties are easier to handle.
- Learn to manage yourself to make the most of the time which you have each day. You might find it useful to get up a little earlier each day or leave for work a little earlier so that you don't feel rushed.

***Excessive stress is a common problem in today's hectic world. Learn to manage stress to maintain your health – and your safety.***

# Far East District is ISO 9001 recertified

**By Patrick Bray**
FED Public Affairs

The U.S. Army Corps of Engineers, Far East District was recertified during the ISO 9001 audit Feb. 6-10. The new certificate will be issued in April.

The District successfully passed the week long recertification audit and was recommended by Lloyds Register Quality Assurance (LRQA) Ltd. for continued certification of FED's entire business processes under ISO 9001 standards.

The International Organization for Standardization (ISO) is the largest international organization for developing standards and LRQA is authorized to conduct audits as an ISO registrar. ISO 9001 is an internationally recognized quality management system standard and the preferred solution for over half a million organizations in 159 countries.

When products work well and safely it is because they meet standards. FED must demonstrate to its customers that its products will continuously meet customer satisfaction and applicable regulatory requirements. ISO 9001 contains a standardized set of requirements for implementing a quality management system.

"A successful quality management system is really about a workplace cultural philosophical shift," said Walter Thompson of LRQA. "QMS is not a program but a way of conducting business each day and every day."

There are two types of auditing required to become registered to the ISO 9001 standard: auditing by an external certification body (external audit) and by internal staff trained for this process (internal audits).

The District recently underwent an external audit which is conducted in three-year cycles. Thompson and his assistant, Jeff Sherman, also of LRQA, traveled to FED Headquarters and to the area offices throughout Korea to inspect every staff business process.

The auditors found FED personnel to be knowledgeable of their respective functional area requirements and understood how their areas supported the entire FED mission.

They also found that FED had several processes that showed evidence of using continuous improvement techniques to enhance customer service and provide products and services in a more efficient and effective manner.

See "Customers" on the next page

*Sang Lee (left), FED Construction Division Quality Assurance Branch, discusses some of his processes with Jeff Sherman of LRQA Feb. 7. (Photo by Patrick Bray)*

*(left to right) Kim Myong-son, FED Utilities and Services Branch, Walt Thompson, LRQA, and Kevin Shanahan, discuss some of the quality management processes of the Utilities and Services Branch Feb. 7. (Photo by Patrick Bray)*

# Renewing Our Comitment to Our Customers

In the month of February the U.S. Army Corps of Engineers, Far East District has renewed its commitment to customers, stakeholders and the community.

The District supports and takes care of customers by providing planning, technical engineering, design and construction management services in armistice, crisis, and contingency operations. The District's commitment to readiness is paramount; FED stands ready to support our customers here within this theater of operations.

We are a Great Engineer District Team of Professional People who remain Transparent, Timely, and Trustful to our Great Customers while Building Strong in Korea.

Here are just a few of the great customers we serve.

## Gen. James D. Thurman

### UNC/CFC/USFK

Gen. James D. Thurman is the Commander of the United Nations Command, Combined Forces Command, and U.S. Forces Korea. The overall mission of this successive command is to defend the Republic of Korea against external aggression and to maintain stability in East Asia.

Thurman leads trained and ready joint, combined forces capable of deterring external aggression and defending the Korean peninsula while strengthening the ROK-U.S. alliance, maintaining the Military Armistice in Korea, and conduct operations in accordance with Strategic Alliance 2015.

The Far East District supports UNC, CFC, USFK and its subordinate elements by providing planning, technical engineering, design, and construction management services across the full spectrum of operations—Armistice, Crisis, and Contingency.

Gen. James D. Thurman

Maj. Gen. Brian Bishop

## Maj. Gen. Brian Bishop

### Deputy Chief of Staff, United Nations Command

Maj. Gen. Brian T. Bishop is Deputy Chief of Staff for the United Nations Command and U.S. Forces Korea. He also serves as the U.S. member of the UNC Military Armistice Commission leading general officer talks between UNC and the North Korean Army.

Lt. Gen. John D. Johnson, 8th U.S. Army Commander

## 8th U.S. Army

The 8th U.S. Army deters aggression against the Republic of Korea. Should deterrence fail, Eighth Army leads Non-combatant Evacuation Operations, and generates combat power for USFK/UNC/CFC decisive operations in the Korea Theater of Operations.

The 8th Army will transition to be America's premier combat force on the land mass of Asia, prepared to Fight Tonight.

Debra Zedalis

# Debra Zedalis

## Director, IMCOM-P

Debra Zedalis was promoted to Senior Executive Service and assumed position of Director, Installation Management Command, Pacific Region (IMCOM-Pacific) in June 2007. As Director of IMCOM-Pacific, she is responsible for installation management activities in the Pacific Region which includes Korea.

IMCOM-Pacific operations include management of active and reserve component installations providing support for approximately 180,000 Soldiers, family members, retirees, and civilians.

Being that IMCOM-Pacific is responsible for all U.S. Army installations throughtout Korea, FED works very close with our partners in IMCOM which constitutes the majority of our work.

Col. Scott Pleus, 8th Fighter Wing Commander

## 8th Fighter Wing

The mission of 8th Fighter Wing is exciting, challenging and clear... deter, protect and defend the Republic of Korea. FED currently is engaged in active construction projects on Kunsan Air Base and stands ready to serve anywhere the 8th Fighter Wing may need our services.

# Far East District hosts MND Exchange Program

**By Patrick Bray**
FED Public Affairs

The U.S. Army Corps of Engineers, Far East District hosted the 27th Korean Ministry of National Defense Exchange Program Jan. 31-Feb.17. During the 13 day course, select members from MND were able to learn from their counterparts in FED to gain a better understanding of how the District operates.

The MND Exchange Program commenced in 1985 with the concept of training military and civilian engineers from MND on design, project management, contracting, and construction processes of the U.S. Army Corps of Engineers.

Today, this tradition carries on as FED graduated nine Republic of Korea military officers and nine civilian engineers from the various ROK service components.

Lt. Col. Kim Gi-wan, Chief of U.S. Forces Korea Construction Management Division, MND-Defense Installations Agency, was the guest speaker at the graduation ceremony.

"The lessons learned from the FED training program will be a medium of the ROK-U.S. Alliance and passed on to the people next to you," said Kim. "Congratulations on completing the three week program. I hope to be sitting there in your place next year."

Throughout the 13 day course, MND members were able to visit various branches of FED including Construction Division, Engineering Division, Korea Programs Relocation Office, Contracting Division, the Safety Office, and the Humphreys Area Office.

Greg Reiff, Area Engineer for the Humphreys Area Office, gave an in-briefing to the students when they visited U.S. Army Garrison Humphreys Feb. 15-16.

"This is where the rubber meets the road and what I mean by that is everywhere else they have seen projects on paper or computer aided design (CAD)," said Reiff. "Here they actually get to see the project go vertical which is what we do."

Ha Chae-un, Engineer for the Humphreys Area Office and also a Korean employee working for FED, conducted most of the briefings. He gave the students an overview of USAG Humphreys expansion and the workings of the area office.

Ha shared an experience he had with tele-engineering. The Engineer Research Development Center is a huge development center that guides engineers in all aspects of a project. Services can be provided through telephone, which

*Ha Chae-un, Engineer for FED Humphreys Area Office, gave engineers from the Korean Ministry of National Defense an overview of U.S. Army Garrison Humphreys expansion and the workings of the area office during the MND Exchange Program Feb. 15. (Photo by Patrick Bray)*

*Engineers from the Korean Ministry of National Defense climb scaffolding to view rooftop construction on a project at USAG Humphreys during the MND Exchange Program Feb. 16. (Photo by Patrick Bray)*

makes tele-engineering possible.

"A good example of the center's efficiency is a project conducted in Korea in 1996," said Ha. "While the Korean counterparts worked three-day shifts to complete the task, the Americans worked regular working hours and had the job completed earlier."

As a result, the Koreans have taken up an interest in the efficiency of tele-engineering which they learned from FED.

"The Koreans were curious as to how they finished so quickly," said Ha. "When questioned, the Americans told the Koreans that they had a super computer that processed information that made their jobs easier."

After an intense couple of weeks the students were able to graduate in aceremony Feb. 17. All of the participants received certificates of completion for the program.

"I really learned a lot especially during the trip to the field office," said ROK Navy Lt. Oh Jae-peel, Project Manager at MND-DIA. "I was surprised to see how big the projects really are there."

At the conclusion of the program, the students had dinner with their partners in FED to learn even more about each other.

During the dinner, Col. Craig Johnson, Deputy Military Director of KPRO, told the new graduates from the program that they were the future of engineering and the ROK-U.S. Alliance.

"I really enjoyed getting to meet some of these people during the dinner like, Col. Johnson and knowing them personally," said Oh. "I feel like these are great ambassadors to their country."

Since the MND Exchange Program inception 27 years ago, over 213 ROK military officers and civilian engineers from different Service Components have graduated. The program has contributed greatly to bi-lateral relations and improving quality, communications, and execution of the Host Nation Funded Construction program.

*(Top right) Engineers from the Korean Ministry of National Defense tour an active construction project at USAG Humphreys during the MND Exchange Program Feb. 16. (Photo by Patrick Bray)*

*(Center) Engineers from the Korean Ministry of National Defense stand in front of an active construction project at USAG Humphreys during the MND Exchange Program Feb. 16. (Photo by Patrick Bray)*

*(Bottom) Col. Don Degidio, Jr., Commander of the U.S. Army Corps of Engineers, Far East District, welcomes engineers from the Korean Ministry of National Defense to FED. (Photo by Yo)*

*See more photos of MND Exchange Program at www.flickr.com/photos/fedpao/sets*

# Far East District opens new humidity controlled warehouse

**By Patrick Bray**
FED Public Affairs

The U.S. Army Field Support Battalion, Northeast Asia (AFSBn-NEA), the Korean Service Corps, and the U.S. Army Corps of Engineers, Far East District cut the ribbon on a new humidity controlled warehouse at Camp Carroll Feb. 10.

"All my life our Soldiers have been my hero and there is nothing more satisfying than ensuring that our Soldiers are fully equipped," said Lt. Col. John Rhodes, Deputy Commander of FED. "This building is part of that process."

The facility, which will be known as Warehouse "K," will house up to 750 vehicles previously stored outside. The humidity controlled environment will extend the care of supplies in storage from a 24 to 48 month maintenance cycle. This will save about $1.2 million annually.

Work on the warehouse began in December 2009 and was completed in January 2012 at a cost of about $23 million. The project was funded by the logistics cost sharing program between the U.S. and the Republic of Korea.

"I'm very proud to complete and hand over such an important facility," said Capt. Ryu Gyu-seok, Chief of U.S. Forces Korea Construction Management Team, Republic of Korea Ministry of National Defense-Defense Installation Agency. "This facility was completed with the sweat, care, and dedication of FED, MND-DIA, KSC, and Ilsung Construction over the last two years."

The new facility was constructed by Ilsung Construction Co., Ltd. and is also the largest of its kind in USFK at just over 350,000 square feet.

"Opening this warehouse facility is truly a proud moment in the history of this battalion," said Lt. Col. Douglas Pietrowski, AFSBn-NEA Commander. "The state-of-the-art building provides a capability that is commensurate with the world-class workforce that we have within our organization."

The ribbon cutting ceremony was in honor of the Korean Service Corps who will be working in the facility. The KSC is a workforce of Korean citizens who support U.S. Forces Korea units including the AFSBn-NEA. Two special guests at the ceremony, An Su-ok and Chin Bok-kyun, served in the

*Vehicles are lined up for display during the ribbon cutting ceremony for the new humidity controlled warehouse at Camp Carroll Feb. 10. The new facility built by the U.S. Army Corps of Engineers, Far East District will be able to house up to 750 vehicles at full capacity. (Photo by Patrick Bray)*

KSC during the Korean War.

"Approximately six decades ago when I was 20 years old in the Korean Service Corps my comrades and I moved to the front line of the battlefield along with U.S. Soldiers to support their fighting," said Chin. "I will never forget that day in all my life. The members of the KSC were combat warriors who didn't hold rifles."

Today the KSC still provides service to USFK in armistice and contingency operations. To the AFSBn-NEA, KSC provides vital and critical support in maintenance, supply, quality assurance, and operations that ensures the battalion can perform its primary mission of receiving, storing, maintaining care of supplies in storage, and issuing equipment and supplies to the war fighter in the best condition.

"This facility will enable us to continue to maintain Army preposition stocks at the highest readiness levels and ensure that our equipment is ready to support any contingency in the Korea theater of operations," said Pietrowski.

The warehouse is a two-story facility with a cast-in reinforced concrete structure for the first floor and a steel pre-engineered structure for the second floor. The construction of the pre-engineered section consists of a steel structure with protected metal wall siding and steel roof framing, exterior insulation finishing system (EIFS), and blanket rigid insulation.

*Lt. Col. Douglas Pietrowski (fifth from left), U.S. Army Field Support Battalion, Northeast Asia Commander, Capt. Ryu Gyu-seok (seventh from left), Chief of U.S. Forces Korea Construction Management Team, Republic of Korea Ministry of National Defense-Defense Installation Agency, and Lt. Col. John Rhodes (fourth from right), Deputy Commander of FED, along with other distinguished guests cut the ribbon on the new humidity controlled warehouse at Camp Carroll Feb. 10. (Photo by Patrick Bray)*

*See more photos of Humidity Controlled Warehouse at www.flickr.com/photos/fedpao/sets*

# K-16 Air Base aid station

**By Weon Jun**
FED Northern Resident Office

The 2,960 square foot aid station at K-16 Air Base was expanded to include an additional 2,163 square feet of space. The U.S. Army Corps of Engineers, Far East District awarded the construction contract to Il Kwang Industrial Co., Ltd. in September 2010.

The new expanded and renovated project includes a reception area, administrative areas, trauma/treatment room, four examination rooms, laboratory, pharmacy, conference, and audiology testing room. The project was completed January 16, 2012.

*(FED File Photos)*

# Transformation construction in Korea

## Consolidating and relocating for troops and familes

**By Patrick Bray**
FED Public Affairs

The Republic of Korea (ROK) and the United States have maintained a bilateral Alliance for over 60 years. Born out of the Korean War, the ROK-U.S. Alliance grew stronger, both during and after the Cold War. Today, both nations "go together" to meet the security challenges of Northeast Asia. The ROK-US Alliance is "the greatest Alliance in the world, which only gets stronger every day," according to Gen. James D. Thurman, Commander of the United Nations Command, Combined Forces Command, and U.S. Forces Korea (USFK).

Korea is a global leader—economically, diplomatically, and militarily—and its capabilities are increasing. Korea hosted the G20 Seoul Summit in 2010 as one of the world's largest economies, yet this was only a small example of Korea's great leadership. The continuing U.S. relationship with the ROK is vital to both nations. While the ROK-U.S. Alliance is meeting the security challenges it faces today, it is evolving to ensure it can meet any potential challenge in the future. To accommodate the future of the ROK-U.S. Alliance in the ever-changing face of Northeast Asia, USFK will undergo transformation focused on sustainable readiness, capability, and force posture in Korea.

To synchronize all USFK transformation initiatives through 2015 the U.S. Secretary of Defense and the ROK Minister of National Defense signed the Strategic Alliance 2015 (SA 2015) in October 2010. SA 2015 is broad and incorporates numerous initiatives for transformation to take place, and it will ensure that the ROK-U.S. Alliance continues to meet the challenges of today and the future. Throughout SA 2015, the U.S. Army Corps of Engineers, Far East District (FED) will provide design and construction services. For the past 54 years, FED has been the U.S. Department of Defense's design and construction agent in Korea.

As a result of Korea's transformation program, FED has taken on more responsibilities. Two programs that FED is actively involved in are the Yongsan Relocation Plan (YRP) and the Land Partnership Plan (LPP) which will consolidate U.S. military units into two enduring hubs south of Seoul.

YRP is a bilateral agreement between the ROK and the U.S. Signed in 2004, the agreement will consolidate and relocate U.S. forces from the greater Seoul area. Key to this plan will be the closing and return of U.S. Army Garrison Yongsan which sits on prime real estate in central Seoul.

Similar to YRP, LPP is another bilateral agreement signed in 2002 and amended in 2004. LPP will reposition troops of the 2nd Infantry Division stationed north of Seoul to Pyeongtaek and reduce the number of U.S. camps on the Korean Peninsula. This plan too will return valuable land to the ROK government.

Both of these plans benefit the ROK and U.S. They return land to the ROK while better positioning U.S. forces to support future operations. These plans will also improve the quality of life for Service Members and their Families by providing first-class, modern facilities.

U.S. Army Garrison Humphreys in Pyeongtaek was selected to be an enduring installation under YRP and LPP. Since 2007, construction has been constant in order to turn USAG Humphreys into an installation of choice.

"The amazing pace of construction at USAG Humphreys demonstrates the success of two commitments," said Col. Don Degidio, Jr., Commander of FED. "Our first commitment is to the needs of our Service Members and their Families. We have also achieved great collaboration between the United States of America and our allies in the Republic of Korea."

USAG Humphreys was selected because of its ideal location but required extensive work to support the necessary expansion. The ROK Government purchased 2,328 acres of adjacent land to accommodate the new facilities and eventually integrate seamlessly into the existing garrison making it the largest military installation in Korea.

The land adjacent to USAG Humphreys consisted of low-lying rice paddies which were also subject to annual flooding from the adjacent Anseong River. To make it usable and to meet the 100-year flood event elevation, it needed to be filled with soil to a height of four meters (about 13 feet) above the level of the river.

The fill required for the 2,328-acre new land site is estimated to be about 11 million cubic meters of engineered fill. That does not include several million cubic meters which will be rearranged within the site due to cut and fill for detention basins, roads, and other infrastructure requirements. The challenge of turning low-lying, flood-prone land into a

modern installation has been FED's largest endeavor ever and is still ongoing.

The land was sectioned into parcels for development with the U.S. responsible for 775 acres in Parcel 1 and Parcel 2A. The ROK is responsible for 1,553 acres in Parcel K and Parcel 2B with FED providing full contract management and quality assurance on U.S. projects and construction surveillance on the ROK contracts.

Before the land can be filled, the natural organic layer of soil must be scraped away from the bed of the rice paddy before any soil can be placed. Once the foundation is prepared, fill soil is placed on top. The soil is brought in by dump truck and piled one to seven meters high. To acquire the enormous amount of fill necessary, contractors sub-contracted with other companies to haul away soil from construction sites in the greater Pyeongtaek area and beyond.

Before any structures can go up, water must be allowed to escape from the fill thereby permitting the soil to settle. This is a process that could naturally take about four years. To expedite the process, prefabricated vertical drains (PVDs) are used to accelerate settlement time to a matter of months. The PVD gives water a clear path to leave the soil allowing it to compact. Once compacted, construction can begin.

Total Construction Quantities to complete the project include:

• 11 million cubic meters of engineered fill

• All new water, gas, sewer, and electric distribution systems, with associated treatment plants and substations for each utility totaling about 40 miles each

• New C4I (command, control, communications, computers, and intelligence) will be 42 miles of trench and approximately 1,000 miles of cable

• Demolition of more than 300 outdated facilities totaling approximately 1.9 million square feet

Read more on the next page

*Army Family Housing Towers under construction at U.S. Army Garrison Humphreys. (Photo by Patrick Bray)*

Continued from page 13

• Construction of 641 new facilities, totaling nearly 27 million square feet

• 2.7 million cubic meters of concrete, equal to about 456,900 ready-mix truck loads

Vertical construction has begun on Parcels 1 and K, and is already well underway. When Greg H. Reiff, area engineer of FED Humphreys Area Office, briefed the USACE Pacific Ocean Division Regional Management Board in April 2010, he said that they probably would not recognize U.S. Army Garrison Humphreys within a year.

"Although there are only isolated areas of active construction at the time, the entire site will be under either vertical or horizontal construction by this time next year, said Reiff.

Since then, Reiff deployed to Afghanistan and when he returned six months later, he realized that he was correct.

At that time, the only vertical structures were six barracks under construction on Parcel 1 of the new land by Hanwha Engineering and Construction Corp. Since then a lot has changed.

Today, the barracks have been turned over to the garrison. Seohee Engineering and Construction Corp. (Parcel 1) and Hanjin (Parcel K) are in the final stages of installing roads and drainage within their respective Parcels.

Three vehicle maintenance facilities are under construction. Two of them are being built by eTEC Engineering and Construction Corp., and the other by Hanwha. These will also include five company operations areas each.

The 384-unit Senior Leaders Quarters Phase 1 is under construction and scheduled for completion in May 2012. Design for Phase 2 is in the early stages. Once both phases are completed, there will be a total of 1,152 living units that will improve quality of life for unaccompanied senior NCOs and officers.

Utilities infrastructure by SKEC, Daewoo, and GS Engineering & Construction are still under way. The scope of work for Parcel 1, alone, included moving 3.2 million cubic meters of soil. That is enough to fill the Hoover Dam. The total fill requirements involve hauling 11 million cubic meters of soil. The total truck miles to haul fill to the site will be approximately equal to 1,700 trips around the equator.

For those on accompanied tours, not too far away on Parcel K are the new Family Housing Towers under construction by Daelim Industrial Co.

The scope is to construct three multi-story family housing apartment towers to accommodate a total of 210 senior NCOs through field-grade officers and their families. There will be 140 three-bedroom units, 52 four-bedroom units, and 18 five-bedroom units.Two of the three towers were designed to accommodate 72 dwelling units and one tower to accommodate 66 dwelling units with modern equipment and appliances. The complex includes ancillary facilities such as "tot lots," multi-age playgrounds, and one underground parking garage connecting the three towers to accommodate 285 vehicles.

"Supporting our troops' families is paramount to making Korea the assignment of choice," said Degidio. "The FED team is making this happen literally right in front of our eyes at USAG Humphreys and elsewhere on the peninsula. We look forward to continuing our service to the ROK-U.S. Alliance by building strong in Korea."

Part of FED's commitment to the ROK-U.S. Alliance was realized when the new schools on Parcel K by Samsung Consortium began in September. These are the first vertical YRP projects and are scheduled for completion in time for the 2013-2014 school year.

There will be several schools built on Humphreys eventually, but currently only the high school and elementary school are under construction.

"These schools are based on Department of Defense Dependent Schools specifications and will be very much comparable to U.S. schools," said Keysha Cutts, FED project manager for the schools.

An exciting feature about the new high school will be its full-sized stadium, which means the school will be home to a football team. The stadium with artificial turf, announcer box, and scoreboards will be a first for DoDDS schools in Korea.

The high school is designed to be expandable to accommodate up to 1,600 students as relocation approaches completion, but the cafeteria, gym, and stadium will already be built to that capacity.

The USAG Humphreys' community is anxiously awaiting the opening of these two new schools, especially the high school. Currently, high school students must be bused from USAG Humphreys to Osan Air Base, which can sometimes take up to 45 minutes.

"This school is a big deal to the Humphreys community," said Cutts.

Farther out on Parcel 2, landfill, roads, and utility infrastructure are still under way. Structures have already gone vertical on this site. These include a Korea Electric Power Co. (KEPCO) substation, four barracks, three dining facilities, a headquarters building, and two tactical equipment maintenance facilities.

"The infrastructure being built here at USAG Humphreys will go a long way towards supporting the service members in Korea," said Degidio. "I can tell you from experience that strong service members are essential for a strong alliance. That's why we are building strong in Korea."

The current USAG Humphreys will grow into a place where approximately 44,000 troops, family members, local employees, and contractors will live and work. The relocation of US Forces is a complex project requiring major expansions and upgrades to all existing infrastructure including land development. All of this will be accomplished within four to six years under the YRP and LPP with the final result being a new home for troops and families on a raised surface safe from flooding and ready to be a world-class installation. These projects and more demonstrate FED's commitment to building strong in Korea.

*Buid-to-lease Senior Leaders' Quarters under construction at U.S. Army Garrison Humphreys. (Photo by Patrick Bray)*

# Chief Master Sgt. Riel retires after 33 years in U.S. Air Force

**By Patrick Bray**
FED Public Affairs

Chief Master Sgt. Raymond Riel, Lead Construction Representative, has completed his service in the U.S. Army Corps of Engineers, Far East District. He will be retiring from the U.S. Air Force in May.

Riel arrived in November 2009 and was the first Air Force enlisted person to serve in FED. During that time he has been responsible for overseeing about $460 million worth of projects for land development and utility systems on the existing U.S. Army Garrison Humphreys and in the acquired land.

"Thanks to everyone in the Far East District for giving me the opportunity to come out and help with this enormous undertaking happening here at Humphreys. It's been a real challenge considering all the changes that have taken place with the Master Plan," said Riel. "My hat's off to all of you that are here taking on this feat. I'd love to come back some day just to see the final product. I am sure it will be a sight to see."

Additionally, Riel has participated in four U.S. Forces Korea level exercises during his tour. They included Key Resolve 2010 and 2011 and Ulchi Freedom Guardian 2010 and 2011.

He conducted a pavement analysis on sections of the Daegu Air Base runway as well as helped research and design a life support area (LSA) using the installation's available land, existing facilities, and war reserve material. For the 8th U.S. Army and 2nd Infantry Division he led a recon element of an eight km. grid area surrounding Camp Stanley to identify and record tactical assembly areas in the Uijongbu area. He also performed a site assessment of the rail facilities at the Eundari Railhead to establish a northern railhead that will allow for offloading and staging of armor companies.

Riel has worked hard for FED but he also took the opportunity to enjoy rest and relaxation with his wife whenever he could.

"Outside of work, my wife Kim and I have had the pleasure of seeing and experiencing many of the things Korea has to offer as far as cultural sites and a variety of annual events," said Riel. "Along with the many tours we did in Korea during her visits, we were able to see China and Thailand as well."

Riel attended the U.S. Army Ball in 2010 and 2011 and was awarded the Army Engineer Regiment's Bronze de

*Chief Master Sgt. Ray Riel discusses a recon mission with Staff Sgt. James Park during the Ulchi Freedom Guardian Exercise in August 2011. Riel has completed his service for FED and will be retiring soon in May. (Photo by Patrick Bray)*

Fleury Medal in 2011. In July 2011 he was awarded the Army Superior Unit Award along with other members of FED.

Riel will officially retire from the Air Force in May. The he plans on starting his own business which he will call "Chief Services" in Flathead Valley, Mont.

"It which will include home repairs, small remodeling projects, caretaker services, residential and commercial snow plowing, lawn and landscaping services, tree trimming and removal, boat portage, cleaning services, and delivery and transportation services," said Riel. "As the company grows I intend to hire as many veterans as I can."

Riel enlisted in the U.S. Air Force in April 1979 as an engineering equipment operator. Over the past 33 years he has had numerous assignments and occupations. He has worked in the United Kingdom and in Turkey. He has worked on projects to improve quality of life on Indian reservations in New Mexico, California, Minnesota, Wisconsin, and Montana. He has also assisted with a community center project in Hawaii.

To conclude his impressive career Riel worked on USACE's largest current project—transformation of USAG Humphreys.

"Kim and I are especially grateful for the hospitality the Humphreys Area Office team has given us," said Riel. "Both of us have made many longtime friendships during our stay here. Many were started with the HAO night outs, the Air Force, Engineer, and Army Balls, the many brutal softball games playing with the 'Block Builders,' and the numerous golf outings I took part in on the weekends. All of these experiences will never be forgotten."

*Chief Master Sgt. Ray Riel receives an award from Col. Don Degidio, Jr., Commander of the U.S. Army Corps of Engineers, Far East District during Riel's farewell lunch Feb. 8. Riel has completed his service for FED and will be retiring soon in May. (Photo by Patrick Bray)*

*Chief Master Sgt. Ray Riel dips rotgut during the Peninsula Engineer Conference Dining Out in February 2011. Riel has completed his service for FED and will be retiring soon in May. (Photo by Patrick Bray)*

*Chief Master Sgt. Ray Riel, U.S. Army Corps of Engineers, Far East District Construction Representative, pitches during an FED softball game in June 2010. Riel has completed his service for FED and will be retiring soon in May. (Photo by Patrick Bray)*

# Let it Snow, Let it Snow!

*Pae Un-hwan, FED Transportation Branch, plows snow Feb. 1. (Photo by Patrick Bray)*

**By Patrick Bray**
FED Public Affairs

The U.S. Army Corps of Engineers, Far East District Compound in Seoul was blanketed by a layer of snow the evening of Jan. 31 during the first major snow storm of 2012. In the following couple of days Korea recorded some of its lowest temperatures in 50 years.

There was little disruption to business activities throughout FED the day after the snow storm, Feb. 1. The Safety Office reported no major incidents due to inclement weather. The biggest delight was that the compound had been turned into a winter wonderland.

As employees arrived at 10:00 a.m. following a two hour delay, FED's Facilities and Services Branch with assistance from the Transportation Branch had most of the snow cleared from sidewalks and roadways within the compound.

Bill Baker, Chief of Supply Branch, and the Resources and Utilities (R&U) crew responded early in the morning to remove all the snow and ice in the compound. Their primary concern was to remove all snow in the main walking areas first and then assisted Ken Pickler, Chief of the Transportation Branch, as he cleared the main roads using a front-end loader.

"I was out there shoveling snow myself," said Bill Baker. "We got most of it cleared before people got to work, and I tell you, R&U did an enormously great job."

# "Click" us out!
## We're online!

**By Patrick Bray**
FED Public Affairs

The Internet has changed the way we communicate. Increasingly, individuals are looking to the web as their primary source of news and information. The U.S. Army Corps of Engineers, Far East District is connecting with our community through social media.

FED maintains three social media sites: YouTube, Flickr, and Facebook.

Of all three of these, Facebook is by far the most popular medium worldwide. FED's Facebook page was established in 2010 and has since gained quite a following. Facebook offers an opportunity for District employees, friends and family, customers, and fans worldwide to interact with us online and keep up to date about what we are doing. www.facebook.com/USACE.FED.Korea

Flickr is an online photo library. If you are looking for a picture of a particular FED event, check the FED Flickr site. Chances are you may find it there. www.flickr.com/photos/fedpao

The District's Youtube is our newest site but over the past couple of months several videos have already been uploaded. Whenever FED shoots a video it is first uploaded to the Website and sometimes shown on AFN. All of the videos are available on Youtube in FED's video library. www.youtube.com/FarEastDistrict

## A few things to remember about social media

Social networks are a popular means of communicating. They open incredible doors for Soldiers, Army civilians and contractors to communicate but they also open up increased risk that sensitive information could be released. In recognition of this fact it is important that users practice responsible social computing guidelines. Before you log on, keep these things in mind.

- Be aware of all pertinent regulations including UCMJ, AR 25-1 and AR 530-1.
- Any information that may compromise OPSEC should not be discussed.
- Be mindful of how you represent yourself in personal social networking sites such as Facebook. You never know who might see it.
- Play nice. Do not harass other users. On Army social media sites it is against regulations and those who break this may be blocked from the site.

## Professional and Fundamental Engineer Exams for Korean National Employees

Introduction of U.S. Professional Engineer System and Examination

*Note: This is the first in a two part series.*

Background

Since April 2009 the Professional and Fundamental Engineering exams can be taken in Korea under the supervision of the Korean Professional Engineers Association. The authority for this is an agreement established between Korean Professional Engineers Association and National Council of Examiners Engineering and Surveying on September 6, 2008.

As a result of this agreement, test takers are given a wide range of choices on which state they would like to register for their license. No longer are licenses only issued by the state of Oregon. To provide opportunities and help engineers working at FED, I would like to briefly introduce the U.S. Professional Engineer System and examination.

Histroy

2007 was the 100th year anniversary of the U.S. Professional Engineer System. In 1907, Charles Bellamy a 52 year old engineer and a mineral surveyor in Wyoming was the first person recorded to obtain an engineer license. The following year, Louisiana passed an engineering registration law, followed by Florida and Illinois in 1915. On November 1920, council was established to examine state laws concerning registration of engineers and provide recommendations for uniformity of practice, which later became the National Council of Examiners for Engineering and Surveying (NCEES). Montana was the last state to pass the law in 1947, and including the capital Washington D.C., the entire country had an engineering licensure law. Also in 1950, National Society of Professional Engineers (NSPE) adopted a policy to use the initials 'P.E.' on all professional engineers. Therefore, all engineers referred to as Professional Engineer or P.E. means they have obtained their license after 1950. In May 1965, 30 states administered the first Fundamental Engineering (F.E ) exam, which contained 30 questions covering 10 subjects. The next year, a national uniform Principles and Practice of Engineering exam, also known as the P.E. exam, was made available. By 1984, all states were required to administer the tests. Over the last century nearly 450,000 engineers were licensed and that is a third of the nearly 1.5 million engineers working in the U.S. As of 2007, a total of 740,000 engineering license was issued throughout 55 areas including all 50 states, Washington D.C., Guam, Northern Marianas Islands, Puerto Rico, and the U.S. Virgin Islands. ton D.C., Guam, Northern Marianas Islands, Puerto Rico, and the U.S. Virgin Islands.

*Next month, more information about prepartion and registration.*

## 한국인 직원을 위한 미국 기술사 및 기술사보 시험 안내

미국의 기술사 제도와 시험 소개

Note: 총 2회에 걸쳐 실을 내용 중 첫번째 부분입니다.

배경

2008년 9월 6일에 체결된 한국기술사회 (Korean Professional Engineers Association)와 미국 공학과 측량 시험위원회 (National Council of Examiners Engineering and Surveying)와의 협약으로 인해서 2009년 4월부터는 한국기술사회의 감독 하에 한국에서도 미국 기술사 (Professional Engineer) 시험과 기술사보 (Fundamental Engineer) 시험을 치르고 있습니다.

이전에는 미국 Oregon 주의 기술사 시험만이 한국에서 가능했지만, 한국기술사회가 주관한 이후로는 응시자 본인이 원하는 주를 선택하여 면허를 등록할 수 있어서 선택의 폭이 넓어진 셈입니다. FED에서 근무하는 여러 엔지니어들에게 좋은 기회와 도움이 되기를 바라며 미국의 기술사 제도와 시험에 관하여 간략히 소개하고자 합니다.

역사

2007년은 미국에서 기술사 제도가 자리 잡은 지 100주년 되는 해였습니다. 1907년에 미국 Wyoming 주에서 52세의 엔지니어이자 광산측량사인 Charles Bellamy가 기술사로 면허를 받은 것이 최초의 기록입니다. 그 다음 해에 Louisiana 주가 기술사 등록 법을 제정하였고, 이어서 1915년에는 Florida 주와 Illinois 주도 뒤따랐습니다. 1920년 11월에는 기술사 등록에 관한 주 법을 검토하고 기술사로서의 공통직무를 권장하는 위원회를 설립했고, 이는 이후 미국 공학과 측량 시험위원회 (NCEES)로 발전하게 됩니다. 1947년 Montana 주가 기술사 면허 법을 제정한 마지막 주였으며, 수도 Washington D.C.까지 포함한다면 1950년에 이르러 미국 전역이 기술사 법을 제정한 셈입니다. 또한 같은 해에 미국기술사회 (National Society of Professional Engineers)는 모든 기술사의 이름 뒤에 'P.E.'라는 호칭을 붙일 수 있도록 채택하였습니다. 즉, 미국에서 Professional Engineer 또는 P.E.는 1950년 이후로 당연히 각 주의 기술사 등록 법에 의해 면허를 취득한 기술사를 의미합니다. 1965년 5월부터 30개의 주에서 10개 과목에서 30문제를 출제한 최초의 기술사보 (F.E.) 시험을 시행하였고, 그 다음 해부터는 전국적으로 동일하게 공학적 이론과 실무 능력을 평가하는 기술사 (P.E.) 시험이 가능해졌습니다. 1984년에 이르러서는 모든 주에서 기술사보와 기술사 시험이 의무화되었습니다. 지난 세기 동안 약 450,000 명의 기술사가 배출되었으며 이는 미국에서 활동하는 약 1,500,000 명의 엔지니어 중 삼분의 일에 해당합니다. 2007년을 기준으로 미국 50개의 주, 수도 Washington D.C., Guam, Northern Marina Islands, Puerto Rico, U.S. Virgin Islands를 포함한 55개의 지역에서 총 740,000 개 이상의 기술사 면허가 발급되었습니다.

다음 East Gate Edition에는 시험 준비 및 신청방법에 대해 안내해 드리겠습니다.

# Women's History Month

**By Erica Hogle**
FED EEO Office

Every year the U.S. Army Corps of Engineers, Far East District observes Women's History Month in March. Historically, Women's History Month started out as Women's History Week in 1978. The week would include March 8 or otherwise known as International Women's Day. It was not until 1987 that Congress expanded the week into a month long celebration.

This year the theme of the month is "Women's Education – Women's Empowerment." The theme recognizes women and their leadership and impact on the different areas of education as they fought against cultural and historical prejudices that created the gender gap in schools, institutes of higher education, and professions. Gender discrimination in the education environment was not prohibited until 1977 with the enacting of Title IX of the Education Codes of the Higher Education Act Amendments. In other words, single-sex education was the norm in the United States until the early 1970s.

The pioneering of women's education started in the early 1800s. Emma Hart Willard was one of the many women who tried to revolutionize the education of women. Willard, being a teacher, realized the schools' curriculum for the ladies were directed to display the young women's youth and beauty instead of teaching the women the same information as the men. Not all of the women advocates were for the women's education only. Johanna Mansfield Sullivan, or better known as Annie Sullivan, was a pioneer for the education of the disabled which at that time was still a growing education. Sullivan is known for Helen Keller's translator.

A few other women who were able to overcome gender barriers before the enacting of Title IX are: Elizabeth Blackwell who, in 1849, was the first woman to receive a medical degree in the U.S.; in 1869, Ada H. Kepley became the first woman lawyer to graduate from a law school; the first African American woman to receive her medical degree was Rebecca Lee Crumpler; she received it in 1864; Mary Jane Patterson graduated college in 1862, becoming the first African American college graduate; and Brenda Flys-with-hawks was one of the first women of the Cherokee Nation to receive a Ph.D.

*Elizabeth Blackwell*

*Brenda Flys-with-hawks*

*Rebecca Lee Crumpler*

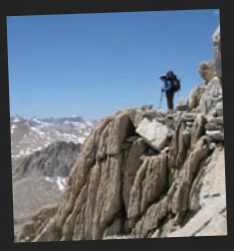
# Song Bliss

## Information Management Office

### *My Plan*

I help the Corps Build Strong in Korea by...

- Understand and focus on POD visions and goals.
- Resolve computer related concerns and issues to maximize organizational effectiveness.
- Enhance personal capability
- Make co-workers and customers happy and satisfied



### *My Face*

I am a key person in the Corps by...

- Enjoying each moment
- Having a good time with family (husband Doug and son Brian) and friends
- Hiking, playing tennis, and skiing.
- Eating delicious food.

# James J. Lee
## Central Resident Office

## My Plan

I help the Corps Build Strong in Korea by...

- Maintain LEED notebooks to meet LEED Silver Certifiable for sustainability and energy savings requirements
- Imrove communications and working relationships to improve execution
- Maximize the innate, my talents to connect with customers
- Holds the team together. Creates a construction delivery team much greater than the sum of its parts.

## My Face

I am a key person in the Corps by...

- Traveling Korea with my wife, Jiyeon, and two beautiful daughters, Claire and Ashley.
- Making more Korean friends and having a great time with them.
- Playing golf and tennis

# FED members form a winning basketball team

**By Patrick Bray**
FED Public Affairs

Members of the U.S. Army Corps of Engineers, Far East District at U.S. Army Garrison Humphreys formed a basketball team which won the championship for Area III in the Over 33 Army Tournament.

Djuan Franklin, Ramon Sierra, Robert Slentz, and Adrian DeVillasee represented FED on the team.

(Clockwise from top) Djuan Franklin holds the Championship Trophy. The championship team poses for a photo. Ramon Sierra during the championship game. Djuan Franklin and Robert Slentz at halftime during the championship game. Adrian DeVillasee in the Championship game. (FED File Photos)

# Welcome to FED

*Staff Sgt. Blackshear, Karen*
*Workforce Management*

*Noble, Sunah*
*Executive Office*

# See You Again...

*Chief Master Sgt. Riel, Raymond*
*Construction Division*

# From the Commander
## *Thank you for doing GREAT things:*

*Kevin Shanahan, FED Business Processes Manager, is Employee of the Month for his oversite in preparation for ISO 9001 recertification. (FED File Photo)*

*(From left to right) Sin Hyon-chun, Doug Bliss, Sarah Woo, Col. Donald E. Degidio, Jr., Commander of FED, Lt. Col. Gregory Baisch, FED-USFK Liason, Chon Sung-u, and Yi Hun stand at the stairwell inside of the 8th U.S. Army Headquarters Feb. 10. Sin, Bliss, Woo, Chon, and Yi were recognized by Lt. Gen. John D. Johnson, Commander of the 8th Army, for their service as members of the Camp Carroll Task Force. They each received the 8th Army Commander's Award for Civilian Service. (FED File Photo)*

Members of the 94th Military Police Battalion were recognized by Col. Donald E. Degidio, Jr., Commander of the U.S. Army Corps of Engineers, Far East District, for thier support in guarding and securing the FED Compound from November 2011 to January 2012. Each Soldier received a Far East District Coin.

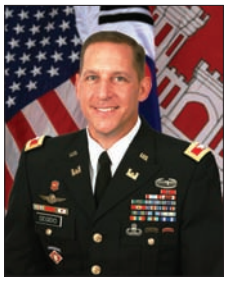
***The Awardees:***

Sgt. Andrew Cobb
Sgt. Ryan Hall
Sgt. John Lange
Sgt. Lee Chae-min
Sgt. Chance Macdonald
Sgt. James McGee
Sgt. Alex Williams

Cpl. Jang Dong-wong

Pfc. Kim Young-keun
Pfc. Yoo Jong-min

Pvt. Im Jae-woo
Pvt. Koo Ji-hwan



**Col. Donald E. Degidio, Jr.**

# 사령관 코너

최고의 극동 공병단 팀과 모든 팀들에게,

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고객은 공병단을 구성하는 핵심적인 일부분이며 공병단의 가장 중요한 부분입니다. 우리는 고객의 기대를 충족하고 질 높은 결과를 위해 지속적으로 노력할 것입니다. 또한 프로젝트를 시기 적절하게, 범위와 예산을 초과하지 않고 안전하게 수행할 것입니다.

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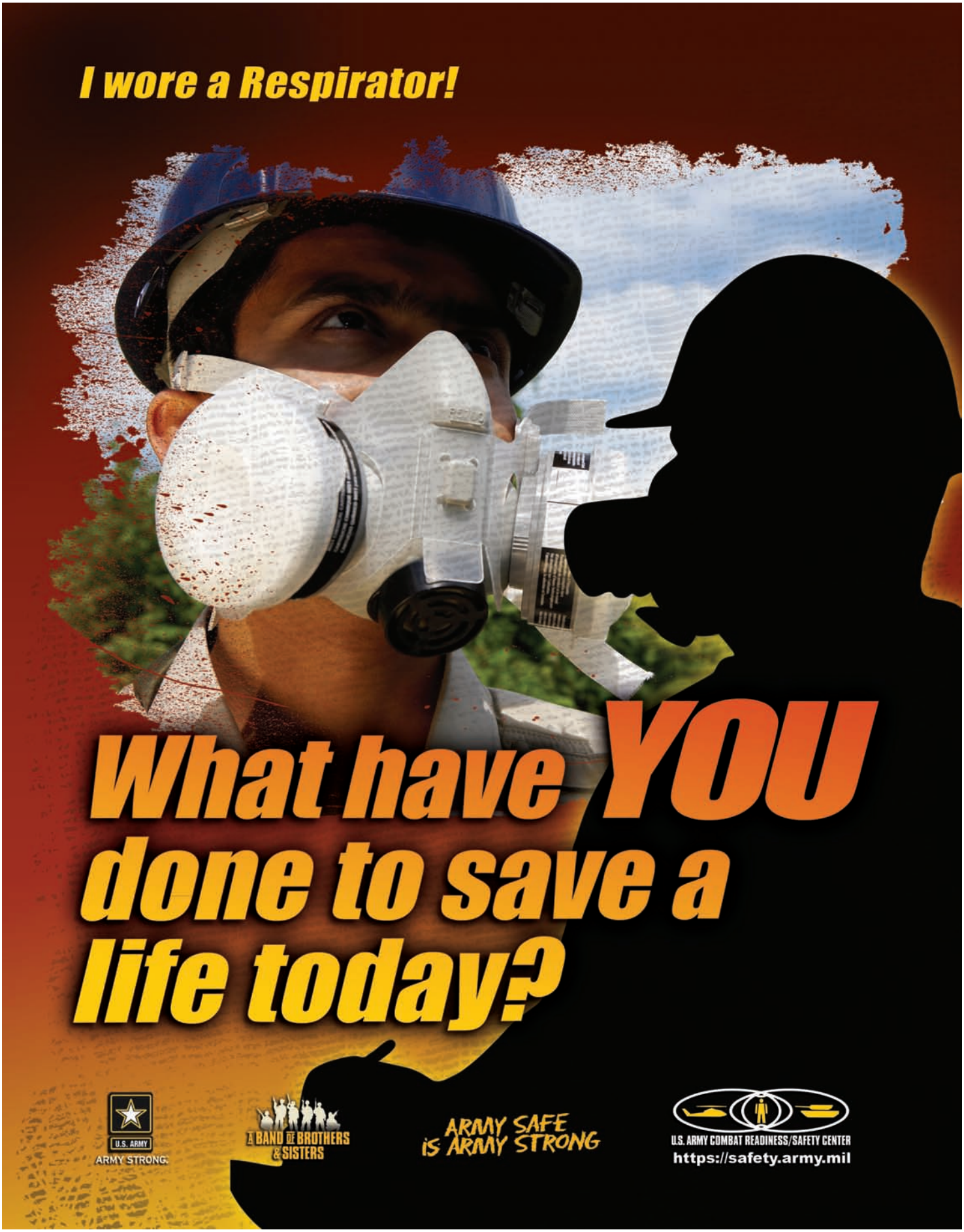
지속적인 고객 지원을 위해 이번달은 우리의 국방부 파트너들을 초청하여 상관습을 경험하게 하였습니다. 국방부 교육 프로그램은 27년동안 진행되어 왔으며 한미 양국 관계를 강화하는데 크게 기여하였습니다.

우리의 신조는 한반도의 강한 건설을 수행하는 것입니다! 이번달 우리는 캠프 캐럴에 새로운 창고를 준공, K-16에 위치한 응급 치료소를 재건축, 그리고 군산 정수 처리시설을 완공했습니다.

이번 호에서는, 한반도 및 다른 지역에 있는 우리 최고의 고객 몇분을 소개했습니다.

우리의 최고의 동맹에게 - 같이 갑시다!
우리의 최고의 공병단에게 – 에세이온!
한반도에 강한 건설을 수행하는 하나의 팀!

FAR EAST DISTRICT
Building Strong in Korea!


I wore a Respirator!
What have YOU done to save a life today?
U.S. ARMY
ARMY STRONG.
A BAND OF BROTHERS & SISTERS
ARMY SAFE IS ARMY STRONG
U.S. ARMY COMBAT READINESS/SAFETY CENTER
https://safety.army.mil