

Safety, Quality, & Innovation in Construction





# Underground Pipeline

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## President's Message



By Scott Victor

As the 2018 year is coming to a close, I would like to emphasize the importance of a strong finish in our key values - Safety, Quality and Production.

#### **SAFETY**

While we will not reach our zero-accident goal for this year, we can still achieve a positive year in safety. In the near term, we will exceed the 300,000 manhour mark, and with six projects going strong for the remainder of the year, we will easily top 400,000 manhours. This will be a new bench mark for Nova Group. We still have a lot of high-safety risk work to perform and we must stay on top of our game to maintain our safety standards and expectations which protect our entire work force. I am very proud of how everyone has embraced and enforced our Safety culture throughout all of Nova Group.

#### OHALITY

Continuing to build quality into our projects is not just a requirement of our contracts, it is a Core Value with Nova Group. We must continue to support and coordinate our production work with our Quality Control staff. Quality Control can be a thankless but very important position. I would like to take this opportunity to thank everyone who is in a-dedicated quality control role or assisting the Quality Control team. Tonya Johnson, our Corporate QC Manager, has done a great job standardizing our format, reports and processes in the QC Department. Her QC Audits have yielded positive response and opportunities to provide areas of continuing improvement.

#### **PRODUCTION**

Since production is our third leg of support to Nova Group, it is just as important as Safety and Quality. We currently have six on -going projects at various stages of completion, where we must strive to keep our production numbers strong:

Nellis AFB, Hydrant System
Kaneohe MCAB, Airfield Lighting Project
Pittsburgh ANG Hydrant System
Travis AFB, Hydrant System
Lawrence Livermore National Laboratory, Underground Electrical Distribution System
Land Water Interface, Bangor WA

I want to thank each Superintendent for supporting our Production Reporting process. As we evolve this reporting process, we are seeing great results in performing production reporting on a weekly basis. The projection reporting provides great feedback to the Estimating team for incorporation into future bids, to Project management for more accurate forecasting in the Cost-To-Complete meetings, and to support change order documentation with our owner when it comes to suspension of work. I can't stress enough how important it is to keep a flexible attitude while also trying to find a better and faster way to install the work in a Safe and Quality manner.

As the year is coming to a close, we typically pick up most of our back log for the following year in the next 3-4 months. We currently have approximately \$150 Million Dollars in proposals awaiting results while we also will submit proposals on another \$100 million in the next 30 days. I want to thank Dee Fedrick and his estimating department for their dedication to this year-end crunch. We have an optimistic outlook for FY2019 based on our strong finish to 2018. Thank you all for your continued efforts in supporting all aspects of Nova's work – safety, quality and production—regardless of your specific role in the company.



## **Project Updates**





Nellis AFB, Hydrant System

Kaneohe MCAB, Airfield Lighting Project



Pittsburgh ANG Hydrant System



Travis AFB, Hydrant System



LLNL, Underground Electrical Distribution System

#### 1611: Replace Hydrant Fuel System, Nellis AFB

Owner: Army Corps of Engineers

Current Contract Value: \$32,802,761.91 Project Start Date: February, 2017

Expected Demobilization Date: April, 2019

#### **Project Team:**

Field: Lance Parks (Project Superintendent), Dennis Bonilla (Mechanical Superintendent), Julio Edu (Electrical Superintendent), James Dugger (SSHO; Environmental), Rey Pelagio (QC Manager), Office: Mike Rook (Project Manager), Lucilla Olkeriil (Asst. Project Manager), Cesar Novelo (Electrical Project Manager), Dusty Otterstrom (Contract Administrator), Tamera Roberts (Bookkeeper)

#### By Mike Rook

Due to the extreme hot weather in Las Vegas, the Nellis team is forced to work some odd hours. The team starts work at 3:00am and is off at 1:00pm before the hottest part of the day which is around 3:00pm.

The team has finished Phase 1 (POL Area) which consist of a Transfer Line (500lf +/-) from the existing Kinder Morgan Tanks to a new 3,000 GPM Type III Pumphouse (5 each 600 GPM Pumps), 2 each 10,000 Barrel Tanks with Secondary Containment Liner and Walls, 2 each Truck Fill Stations Covered by an 1,800 SF Canopy Cover, Hydrant Hose Truck Check-out Station, a Pig Launcher/Receiver, Hydrant Loop to the Apron (approximately 3,700 LF pipe trench with 2-12" Supply & Return and 1-10" Flush line) and two Truck Parking areas (9,860 SF) to accommodate eight (8) fuel truck parking positions.

Phase 1 Start up and Commissioning was completed by Bay Associates on July 25, 2018.

Phases 1A, 1B and 1C which consist of 13 each Pantographs and 2 Isolation Vaults were also completed with Phase 1, but will be filled up and Commissioned a the end of Phase 2.

Currently, the team is working on Phase 2 which consist of 2 each Isolation Pits and 3 each Bomber Refueling Hydrant Pits, and approximately 785 LF pipe trench with 2-12" Supply & Return lines. Bay Associates will be out the first of October for the commissioning of Phases 1A, 1B, 1C and Phase 2. After start up is complete for these Phases, then we can begin demolition of the existing fuel farm

and begin Phases 3A, 3B and 3C, which consist of 11 each Pantographs. Once all phases are complete in Phase 3, Bay Associates come back for the third time to perform final commissioning of Phase 3. The work out on the apron also consists of approximately 66,450 SF of PCCP which is subcontracted out to TAB Contractors, Inc.







## **Project Updates**

#### 1702: Pittsburgh Air Reserve C-17 Station Consolidated Projects

Owner: USACE, Louisville District Current Contract Value: \$43, 351, 204.00 Project Start Date: December 18, 2017 Expected Demobilization Date: May, 2019

#### **Project Team:**

**Field:** Kyle Bush (Project Superintendent), Nick Pfeifer (Assistant Superintendent), Tammy Phelps (SSHO, Environmental), Bruce Levan (QC Manager), Joey Reid (Alt. QC Manager), Kari Milko (Office Administrator)

Office: Ken Woehler (Sr. Project Manager), Dusty Otterstrom (Contract Administrator), Sarah

Woehler (Bookkeeper)

#### Bv Ken Woehler.

Our Civil/PCC paving and asphalt subcontractors, Golden Triangle and Lindy Paving have been working non-stop prepping subgrade, placing aggregate base, drainage layer, PCC pavement and asphalt shoulder work all over the new apron footprint. Staying ahead of the ongoing mass grading and paving work, Nova's concrete and welding crews have done a great job installing the new hydrant loop piping and hydrant pits for the new apron. Most of the concentration of apron work has been in Phase 1, which makes up approximately 25% of the new apron, and has to be completed and turned over in September 2018 in anticipation of the first aircraft to arrive in early October. The remaining balance of the new apron which is Phase 2 is also well underway with plans of finishing before colder weather hits in November, 2018.

In the new POL area, Nova's concrete, civil and electrical crews have been working on forming/pouring the concrete ring wall and interstitial sand in anticipation of liner work starting for the new 5,000 bbl. tank. In addition to the tanks, our crews have been working on finishing the underground electrical, foundation and backfill for the new pumphouse. Work has begun on the slab on grade and pump pads for the new pumphouse.









### 1703: P-1611 Replace Hydrant Fuel System (G), Travis AFB

Owner: NAVFAC Southwest/ROICC Travis Office

Current Contract Value: \$26,885,968.00 Project Start Date: May 21, 2018

**Expected Demobilization Date:** October, 2019



#### **Project Team:**

**Field:** Danny Sargiotto (Project Superintendent), Art Mendoza (SSHO, Environmental), Scott McKee (QC Manager), Taylor Tobler (Asst. Quality Control, CWI), Wes Hawks (Concrete Foreman), Kolby Beckman (Civil Foreman)

Office: Ken Woehler (Sr. Project Manager), Mark Pracanica (Project Manager), Jessica Mundy (Contract Administrator), Tamera Roberts (Bookkeeper)



Nova crews have been working inside the POL area forming/pouring the two tank ring wall foundations and placement of interstitial sand & leak detection piping for the new 10,000 bbl above ground fuel storage tanks. Our tank liner subcontractor, Layfield has mobilized and is currently working on installing the tank liner system which will be followed by the cathodic protection system with plans for Southwest Tank to mobilize on 9/04/18 to begin erection of the tanks. Out on the 900 ramp apron, crews have been working on installation of the 12" diameter loop piping and forming/pouring of two hydrant fuel pits within Phase 1A. Currently, our PCC paving subcontractor, Vanguard Construction has mobilized and is placing PCC pavement within this phase with plans of turning the area over and proceeding into the next phase by 9/04/18.



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## **Project Updates**

## 1704: Expand Electrical Distribution System (EEDS), Lawrence Livermore National Laboratory (Nova-Probst, JV)

Owner: Lawrence Livermore National Security, LLC (LLNS)

Current Contract Value: \$22,516,426.93 Project Start Date: March 19, 2018

Expected Demobilization Date: September, 2018

#### **Project Team:**

Field: Dale Bergman (Project Superintendent), Ryker Sweat (Electrical Superintendent, Probst), Christ Hodgkinson (Asst.

Superintendent/QC), Michael White (SSHO)

Office: Peter Jarrette (Project Manager), Scott Ferguson (Electrical Project Manager, Probst), Jessica Mundy (Contract Administrator), Tamara Roberts (Bookkeeper)

#### By Peter Jarrette,

Project 1704 provides Nova and our Joint Venture partner, Probst Electric (a Quanta sister company) a unique opportunity to deliver a quality Design-Build project for the Department of Energy at Lawrence Livermore National Laboratory (LLNL). The project itself involves providing redundant underground 15kv electrical distribution infrastructure and power to Lawrence Livermore National Laboratory, Sandia National Laboratory as well as the National Ignition Facility (NIF) which houses the world's largest laser. In the U.S. there are 17 DOE National Laboratories however there are only 3 that are part of the National Nuclear Security Administration, LLNL, Sandia and Los Alamos. We are very proud to be part of this project and support the DOE's mission at these two laboratories which is to, strengthen the United States' security by developing and applying world-class science, technology and engineering that enhance the nation's defense, reduce the global threat from terrorism and weapons of mass destruction and response with vision, quality, integrity and technical excellence to scientific issues of national importance.

To that end, Nova-Probst (NP) has successfully progressed through the Design Build process and produced 100% civil construction drawings and achieved a Notice to Proceed with Construction on time and in line with the project schedule. Construction has progressed over the past several months which involve deep excavation operations installing duct bank and Electrical/Communications vaults at depths up to 12ft. While Civil construction progresses, the Electrical design aspect of the Design Build process is in its final stages. This electrical design package involves coordinating the connection of the two main electrical substations feeding power to LLNL and Sandia Laboratories. This package also includes detailed connection and installation of two new Contractor provided 15kv Load Grid Switchgear buildings that will provide current and future power to these two important National Laboratories.

#### **Newsworthy Events:**

Our project owners, Lawrence Livermore National Security, held a ground-breaking ceremony after the project Civil package was complete and an NTP was issued. This ground-breaking ceremony involved much fanfare with the two labs, the DOE and multiple laboratory directors gave speeches highlighting the importance of this project and the many years it took to get to the point of breaking ground. This project has been called the most important project to the two laborites in over a decade.







## **Safety Update**







Nova currently has two (2) OSHA Recordable Injuries in 2018 that could have both been easily prevented. The first one could have been prevented by using a mechanical means (forklift) to lift a heavy piece of steel. The second significant injury could also have been prevented by using a mechanical means (forklift or excavator) to compress trash in a dumpster. Both serious accidents involved employees working with NOVA for less than five (5) months and putting our employees in harm's way through overexertion (moving a 320lb I beam) and the other, climbing on an unapproved walking/working surface (dumpster). We need to be crystal clear when assigning tasks to our employees and verify understanding especially with our new employees.



Other significant exposures Nova continues to experience is working on/around energized circuits. Countless times our client has told us power and/or pressure is shut off and safe to work on, when it is not. This trust will hurt us in the long run if we do not verify for ourselves and test EVERY time prior to working on a "Dead" or "Locked Out" or "De-Energized" wire, panel, or system.

Several new safety initiatives have been rolled out lately to maintain safety awareness and increase crew participation in our safety program. You should all be familiar now with the new behavior-based safety incentive programs including the "On the Spot Recognition" as well as the "Nova Safety Commitment Coin". Monetary funds are rewarded to employees who speak up when they exercise their "Stop Work" obligation.

Also rolled out recently is the "Good Catch Report" which is a simple tool used to document incidents and accidents, near misses, opportunities for improvement, service or repair, innovations, or requests for PPE, tools and/or equipment. These reports should be readily available and easily accessible to all Nova employees and participation encouraged.

## InNOVAtion Awards

By Thiel Harryman,



this effort.



organization, Quanta annually opens the CEO their efforts. Innovation and Entrepreneurial Award to every single employee and operating unit. At Nova, we In addition to the recognition Chris and Lance daily.

Innovation is a key component of the Nova Group Earlier this year, Nova Group honored employees Mission Statement; "Nova is recognized throughout Chris Hodgkinson and Lance Parks for their the world for using innovation to construct quality execution of "The Personal Mobile Cooling System" projects that exceed its customers' expectations developed at the 1611 Nellis AFB Project. The safely, profitably and in a manner that rewards temperatures at Nellis Air Force Base in Las Vegas teamwork." All Nova team members embrace these Nevada can be extremely hot, especially in the principles in every activity we execute; across all confines of our welding tents. Together with support departments and projects. Team member developed from the Nellis project team, Chris and Lance ideas help not only the success of the organization, developed a cooling system to provide short bursts of but also growth within our industry and the markets cool air through an innovative tubing body harness we serve. Innovation and being creative are very for their welder. Constructed from a few basic important strategies to support operations and the materials available at any hardware store, the system bottom line, and Nova fully supports, and awards, functioned to maintain core temperatures without impeding welding operations. Chris and Lance not only built and utilized the system, but they also Our parent company, Quanta Services, shares the submitted an entry to the Quanta CEO Innovation support for Innovation. From the top of the entire and Entrepreneurial Award, and were recognized for

a similar program for InNOVAtion received from Quanta, Nova Group provided the Awards. We support our team to be creative and maximum InNOVAtion Award bonus as well as a employee participation for innovative plaque for their efforts. Please take the opportunity concepts that improve quality and safety, as well as to congratulate both Chris and Lance for their efforts, the practices, policies, and procedures that we use innovation, and support of not only the program but the ingenious system to support our team. Great job!

## **Engineering & Shop Update**

By Chris Chell

The theme for the Napa Engineering and Shop Department this year has been growth. The shop has started working with Quanta sister companies like Underground Construction to support their projects as we are supporting our own Nova projects as well. This helps to increase the size of our team and balance our workload, so we can perform even better for our projects. We are also expanding into a new market with airfield lighting handholes and working to grow the existing market of our fueling pits to outside customers. Along with this growth we have added a handful of members to our team and moved some others around. We have restored the role of a full-time maintenance technician to work on both shop equipment and the Nova fleet. We have also hired two new welders through our partnership with the Napa Community College welding program and beefed up our paint and fiberglass crew. The Engineering team continues to feed the shop with fabrication drawings while also working to support our projects with form design, shoring design, electrical coordination, and pretty much anything else the teams need. We're here to help!



## Napa Valley College Welding Program & Adult Education Scholarship



Office of the President

Board of Trustees Update - Meeting of 6/14/18

Welding program highlighted Taylor Tobler of Napa told Napa Valley College trustees and the public that graduating from the college's program with a welding certificate led to his employment in 2015 with Nova Group Inc., a \$100 million-a-year company based in Napa. Christopher Chell, the company's Engineering and Fabrication Manager, told the board that welders trained at NVC inspire his workforce with their enthusiasm and energy. In 2017, Tobler became a certified welding inspector and Nova named him Assistant Quality Control Manager. Today, Tobler told trustees, he is managing quality control for a \$26 million project at Travis Air Force Base. The NVC welding program coordinator, Professor Eric Wade, was credited by Career Technical Education Dean Dianna Chiabotti with revamping the program to allow for completion in one year instead of two - a huge benefit to students.



Taylor Tobler and Christopher Chell of



Scott Victor presents Scholarship to Katie Urrutia.

## **Events and Highlights**

## Petaluma Athletic Edge plays in NYBC Championship Week



Petaluma's Athletic Edge baseball team coached by our very own Mike Enochs traveled to New York for the National Youth Baseball Championship.

The Petaluma team went into the 20-team tournament ranked No. 7 in the nation.

Athletic Edge defeated the New York Elite, 10-5, and lost to the Grit Black, 9-8; the New Jersey Axemen, 10-7; and Canes North Carolina, 5-4.

Petaluma Athletic Edge came up short but went so very far! Maybe next year we can watch them again on CBS Sports Network!

## Welcome Baby!

The Glovers welcomed baby Jaxson on June 2, 2018.





## Wedding Bells!

Congratulations to Jim & Judy!

"We met in 2005, started dating in 2006 and moved in together in 2007. Last year we took a big step and bought a house! Baby steps! On Saturday we had a summer party that magically morphed into a pop-up wedding. I only found out myself a few short weeks ago that the party Jim had been planning for many months would be my wedding day. July 21, 2018 feels lucky, and I got lucky when I met this warm, funny, adventurous and bighearted man who already shared my last name." - Judy Anderson







The newlywed Shaws - Congratulations Kevin and Trish!



Nick Pfeifer ran the Pittsburgh





"Jumping Josh" Lemke dirt biking at North Star, Tahoe.

### NW at the Tacoma Rainiers Game









## **Summer Interns**



#### David Ramirez

Project: 17-03 Travis AFB, 17-02 Pittsburgh

Major: Mechanical Engineering

School: CSU, Sacramento

Anticipated Graduation Date: May 2019 Why did you decide on Nova for your summer

internship?

I chose NOVA because it would give me a chance to use my previous construction experience and learn what potential work I could be doing with my engineering education.

What was your favorite project?

Travis AFB, Type 3 Hydrant Fuel Systems What does a typical day look like for you?

Get a brief on the plan of action for the day. Help the QC department updating logs and assisting with surveying points. Also, learn about the

submittal process and importance of the job. Then worked with Danny and go over plans and production. Throughout the day walk the jobsite with Art and identify any safety hazards.

What's your favorite type of cuisine?

I like all types of food and love to try new things, but you can't go wrong with Mexican or seafood.

Tell us about a book you read recently that made an impact on you?

Educated by Tara Westover.

Favorite quote/inspiration saying?

"Leadership and learning are indispensable to each other." - John F. Kennedy

What do you like to do in your free time? I love being active. Playing soccer, basketball and even volleyball at a park. Also, I usually go out and watch the newest movies with family and girlfriend.

Bryce Letcher

**Project:** Several

Major: Architectural Engineering and Project Management

School: University of Colorado at Boulder Anticipated Graduation Date: May 2019

Why did you decide on Nova for your summer internship?

Nova has a wonderful supportive culture that values professional growth and

education.

What was your favorite project?

The 17-04 Lawrence Livermore National Lab duct bank.

What does a typical day look like for you?

Interning at NOVA means there's never a typical day.

What's your favorite type of cuisine? Any type that is free and near by.

Favorite quote/inspiration saying?

"Six beers with six friend is better than six beers alone"

What do you like to do in your free time?

Spend time with friends and family.





Major: Occupational Safety and Health with a concentration in Industrial Hygiene

School: Murray State University, KY

Anticipated Graduation Date: December 2019 Why did you decide on Nova for your summer

internship?

I started with Quanta Services to learn more about construction safety. At the beginning of July I was given the opportunity to spend time with different safety professionals across Nova Group. Nova interested me more than other sister companies in Quanta's family because Nova specializes on military installations.

What was your favorite project?

Pittsburgh

What does a typical day look like for you?

There is no typical day for me. This summer I have traveled to 7 different states and worked in

many different cities. My goal every day is to make today my most rewarding day at work by getting to know my colleagues and working alongside them to mitigate hazards and control risk.

What's your favorite type of cuisine? Texas BBQ or steak fajita nachos.

Tell us about a book you read recently that made an impact on you?

The Gospel of Mark. I know at the end of the day I am not just working in the safety department to help Quanta or NOVA mitigate hazards and control risk, but to keep the Lord's creation and his safe earth.

Favorite quote/inspiration saying?

"No one cares how much you know until they know how much you care."

What do you like to do in your free time? I like trying new coffee shops and going on road trips with friends.



## 2018 Novathon

## \$16,150 total donations!

This was the 7th year Nov has sponsored an event for our Napa employees which we call the "Novathon", similar to a jog-a-thon. The purpose of the Novathon is to encourage our employees to walk or run on Nova's fitness trail to raise money for non-profit organizations.

In May, Nova hosted the third "Charity Fair", inviting organizations that serve; education, family or child welfare, disadvantaged youth, etc. We had returning charities from the previous years and we were please to have new organizations that are also new to the Napa community. These organizations took the time to come to Nova and share with the employees what their charity does for the local communities.

Those who participated raised donations for 10 organizations, and overall raised \$8,095 which combined with Nova Group's match of \$8,055 and together raising \$16,150.

Thank you to all the employees in Napa who took the time out of their busy schedule and walked or ran the fitness trail or the Napa property.





#### Charities who benefited:

- ♦ Aldea Children & Family Services
- Teens Connect
- ♦ Ryan W. Fox
- ♦ American Cancer Society
- ♦ Community Resources for Children
- ♦ Eugene Padan Boosters
- ♦ St. Mary's Food Locker
- ♦ Vacaville Bobby Sox
- Mentor Me
- Social Advocates for Youth

# Nova Group, Inc. wins Best Places to Work for the 10th year in a row!



## **Employee Highlights**

#### Shawn Ward, Superintendent

**Project:** 15-03, Repair Dewatering Pumps & Motors at DD5 &

16-01, Restore Grinder Pump Station **How long have you been with Nova?** Almost 10 years

What do you feel is the biggest accomplishment Nova has made?

Being able to grow as a company and create new divisions.

Why have you been with Nova for so long?

It's a great company with great employees.

What's your favorite thing about working for Nova?

The diversity of the work. There's always something new.

## What was your favorite project to work on?

I don't really have on favorite project. The ones that really stand out the most are some of the most difficult ones. The pump well projects on PSNS are the definition of standing out.

How would you explain the culture of the company?

Safety First! Safety is very important in our industry and NOVA goes above and beyond with safety. Also, knowledge! The constant education to all employees whether through safety alerts, daily red books or off-site programs.

What makes you proud to work at this company?

Camaraderie! Everyone working as a team to get the job done. With difficult jobs with many unforeseen obstacles, the team is what gest us by these obstacles.



Shawn Ward



Jeff Maulin

## Jeff Bauer, Project Superintendent

**Project:** 16-08, P-431 Drydock **How long have you been with** Nova?

My first job with Nova was in 1998 on the P-700 wharf project on the North Island. I currently have been with Nova since 2007.

What do you feel is the biggest accomplishment Nova has made?

To be able to retain good and qualified personnel that take pride in their work.

Why have you been with Nova for so long?

I enjoy working with great people on different and challenging

projects.

What's your favorite thing about working for Nova?

Some of the projects that I have been on are land marks along the San Diego Bay Waterfront.

What was your favorite project to work on?

I think the P1-51 pier project is my recent favorite, kind of cool to build a two-story pier.

How would you explain the culture of the company?

The culture of Nova is to produce the best product for the customer with focus on Safety and Quality.

What makes you proud to work at this company?

I take pride in the fact that I am doing my part to help the military do their job.

#### Jeff Maulin, Electrical Superintendent

Project: 16-08, PSNS DD-6

How long have you been with Nova?

16 months

What do you feel is the biggest accomplishment Nova has

made?

Maintaining an exceptional safety record.

Why have you been with Nova for so long?

It's a great place to work.

What's your favorite thing about working for Nova?

The daily challenges of the shipyard.

What was your favorite project to work on?

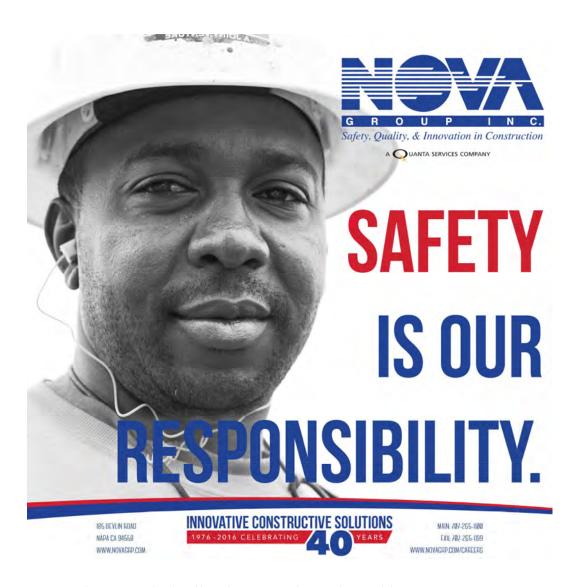
DD-6

How would you explain the culture of the company? A "make it happen" attitude.

What makes you proud to work at this company? A daily sense of accomplishment.



Jeff Bauer



Underground Pipeline is a newsletter issued by Nova Group, Inc.

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