



CC Chatter

Special Edition 2016

Final Countdown

Control Center Operations Transferred to Woodcreek

On Tuesday, July 19, 2016 at 9:42 a.m. full Control Center operations were successfully and permanently transferred to the new Control Center at Woodcreek, after having been located at Two Shell Plaza since 1992. This represents the culmination of the planning and implementation efforts from a large team of dedicated staff - Control Center, Engineering, Real Estate, IT and Pipeline Growth/Major Projects. As indicated at the beginning of the year, the Control Center has a large delivery agenda in 2016, with the base work of Maintain Safe and Compliant Operations coupled with the Relocation and the SCADA Replacement Project.

In 2015, the detailed plan was finalized with a July 19, 2016 transition date, and then in January the theme of the Final Countdown for the relocation was established. We continued with the NASA/Apollo theme, as to many the Woodcreek relocation felt as foreign and distant as the moon. The evolution of the project culminated in an asset that is arguably second to none with an energized staff enabling continued operational effectiveness into the future for SPLC.

The relocation was executed to plan and at 9:42 a.m. the Woodcreek Control Center called the Two Shell Plaza Control Center and said "Houston we have NO problem."

SPLC Woodcreek Control Center *It's a wonderful thing*



"Houston we have NO problem."



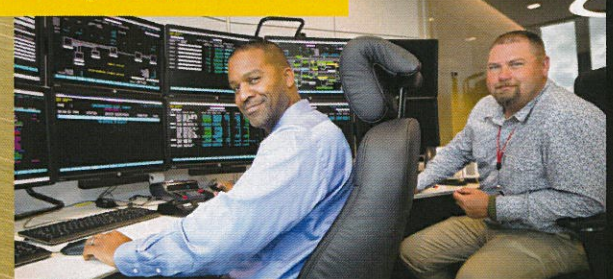
Offshore Console
– Luzie Benavides,
Chris Mallon



Chemical Console – Seth Johnson



Mid West Crude Console – Rahyab Arif, Charles Jacobs



South Louisiana Console – Kade
Campbell, Erasmo Hernandez

**Southern California Console –
Isadora Torres**



**Northern California Console –
James Ryan**

**Southern Products Console –
Osborne Anderson**



The relocation for me was similar to moving away from the home I grew up in, or raised my children in. There's an "empty" uncomfortable feeling that is replaced by excitement and challenges that are adapted to over time.....the key being that your family is there, in this case "work" family. ~ David Scruggs, Operations Manager - Control Center

SPLC Receives Keys to New Woodcreek Site

On Thursday, May 12, 2016, the Control Center received the keys to their new facility at Woodcreek. After receiving the "keys" to the new facility - once commissioning was complete with permanent power fully established - the activities to build out all the workstations as well as the network/server infrastructure increased dramatically.

These activities will lead us into our final phases of the Relocation, mandatory staff site visits beginning June 27th, followed by Operations cutover July 19th.

"We are at the beginning and end of an era where the Shell Pipeline SCADA and Control Center folks will chart a path of diligent, disciplined and deliberate safe operations at Woodcreek for future generations. It is great to be part of such an intelligent team."

– Bill Kalberer, Relocation Project Manager



Console

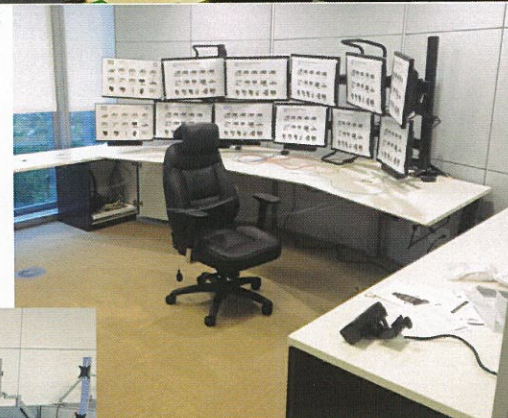


Table of Contents:

- Operations Transferred to Woodcreek.....cover
- Keys to Woodcreek.....2
- Vector Moving Day.....3
- Family Day Celebration.....4
- Ribbon Cutting Celebration.....7
- Charity Auction.....9
- OASyS Communicates with the Field.....11
- SCADA Replacement Project North CA Point to Point.....12
- Shell-Schneider LTSA Signing.....13
- OASyS SCADA Hardware Refresh.....13
- Maintaining Safe & Compliant Operations.....14
- Various Photos.....15
- Control Center 2016.....back cover



Workstation Labs



Computer Room

Control Center - Vector Heads to Woodcreek

On Thursday, May 12, 2016, after residing at the Information Center for 25 years, the Vector SCADA system "SCCV03" was moved to Woodcreek.

MOVING DAY



Goodbye IC



Vector leaves the IC after 25 years

HISTORY

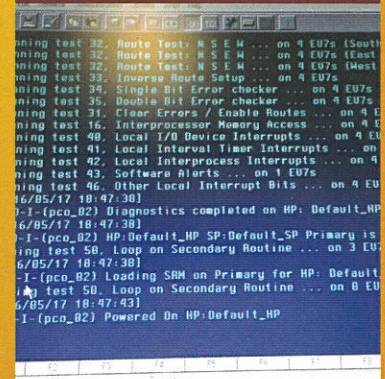
- 1991 SCCV01 on VAX 6000
- 1992 Collecting real-time data for first time on Vector!
- 1998 Hardware upgraded to AlphaServer 8400
- 2004 VMS O/S Upgrade from OpenVMS 7.2 to OpenVMS 7.3.1
- 2005 H/W Upgrade to GS1280 AlphaServer
- 2007 VMS O/S Upgrade to OpenVMS 8.2
- 2009 SCCV01 renamed to SCCV03
- 2016 SCCV03 moved to Woodcreek

Moved, powered up, and certified



Jen Pagano certifies Vector SCCV03 at WCK

Running BIOS



Running BIOS for first time at WCK

Full Vector Redundancy Restored SCCV03 – Operating In It's New Home

May 12th: After 25 years of residing there, SCCV03 shutdown at the Shell Information Center and physically relocated to its new home at Shell's Woodcreek Campus.

May 27th: SCCV03 was placed back on the Core Network in standby mode for monitoring and assessment.

June 2nd: SCCV03 operated as the Prime Vector host for all Control Center operation for over 7 hours. Full redundancy restored!

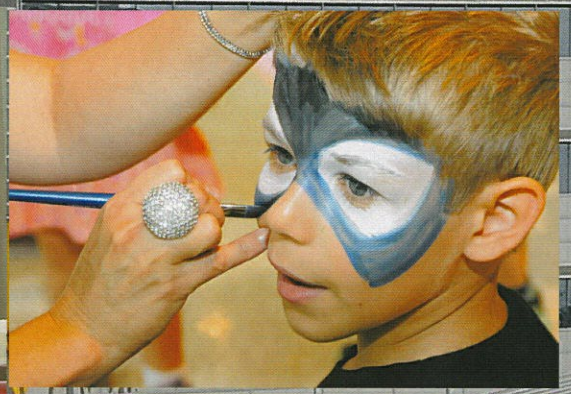
Thanks to CC Technical and Project Staff: Jen Pagano, Andre Smith, Mark Baker, Montie Wren, Korey Wilson, Ramiro Espinoza, Robert Andrews, Bill Garrison

Thanks to Engineering Project Team: Bill Kalberer, Catherine Webb

2016 Family Day Celebration

The Control Center held its Family Day Celebration at the Woodcreek Campus on Saturday, August 27, 2016. Bryan Baird thanked everyone for all the hard work that went into the successful Relocation and Operational cutover to Woodcreek and then got things rolling by playing the **Final Countdown**. A fun time was had by all and the festivities included tours of the Campus and Control Center for staff's families so that they could see their loved ones new work environment. We were entertained with Curly & Daisy's awesome balloon artistry and face painting, a putting green challenge, and no one walked away hungry with lots of great food and snacks that included TANG! The Control Center would like to send a huge thank you to Woodcreek Facilities, Real Estate/Event Planning, and Security for their help in making Family Day a great day.

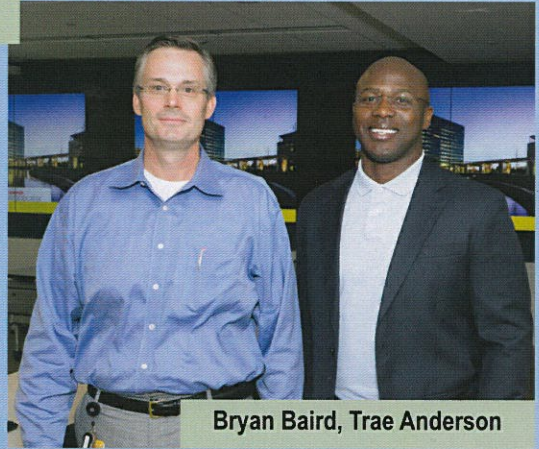






Control Center Ribbon Cutting Celebration

The Control Center had its official Ribbon Cutting ceremony on Thursday, September 1, 2016, celebrating its new location at Woodcreek. Leadership from Pipeline, Real Estate, Engineering, Operations, Commercial, and External Relations were present as Bryan Baird kicked off the event by thanking Leadership, Project Teams, and Control Center Staff for an exceptional facility that was delivered on time, to budget, and without incident. Keli Wall, Catherine Webb, and Trae Anderson presented the Relocation Journey Timeline dating back to 2005 with the preliminary studies. John Hollowell did the honors as the official ribbon cutter followed by Control Center tours led by James Simmons and John Hayward. The celebration ended with everyone enjoying refreshments and fellowship.



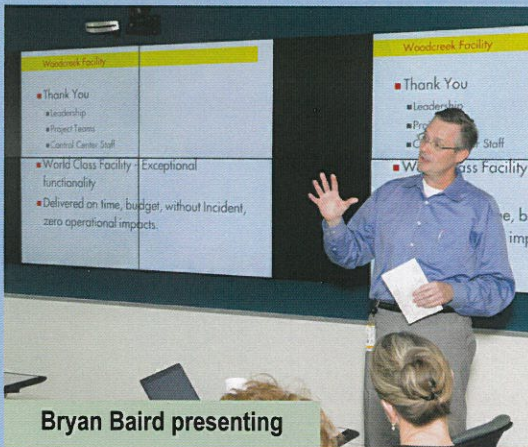
Bryan Baird, Trae Anderson



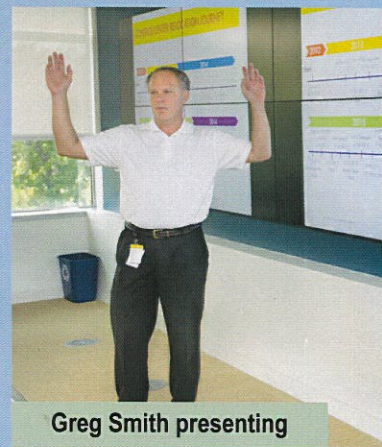
Control Center Operations Training Room



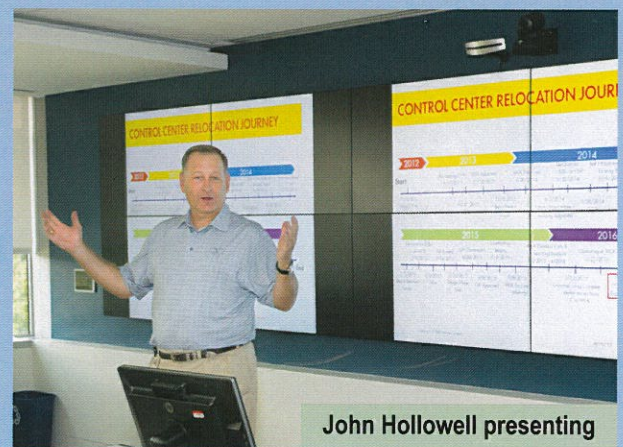
Bryan Baird, Keli Wall, Catherine Webb



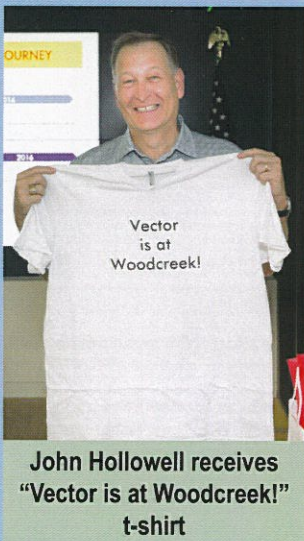
Bryan Baird presenting



Greg Smith presenting



John Hollowell presenting



John Hollowell receives "Vector is at Woodcreek!" t-shirt



Ribbon Cutting



John Hayward, Keith Probyn



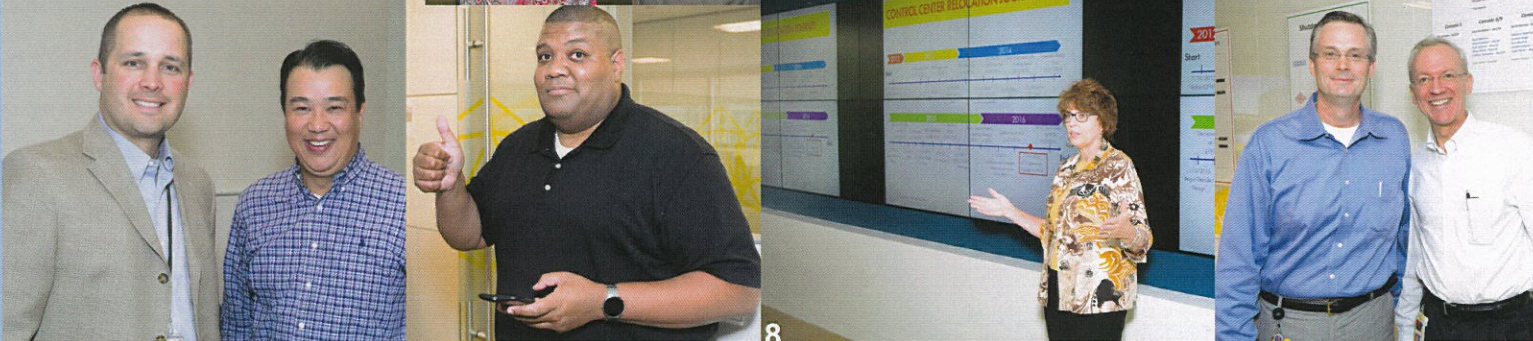
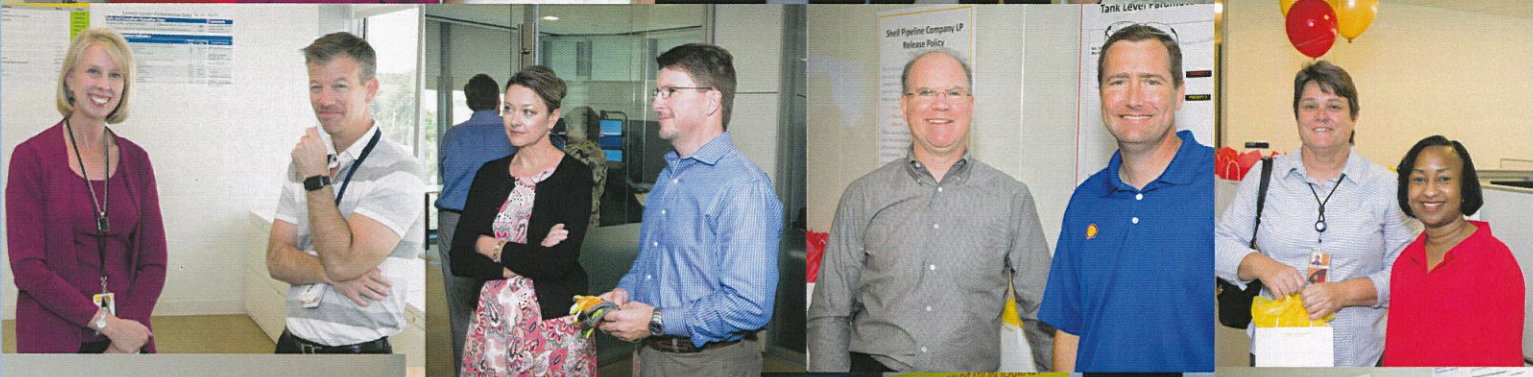
Trae Anderson, Bill Kalberer, Mark Baker



John Hollowell and Greg Smith serving cake to Operations staff Keith Partney, John McMahan, Byron LeBlanc



Control Center Tour led by James Simmons



Control Center Relocation Charity Auction

"M.D. Anderson Cancer Center, Mark Keller Memorial Fund"

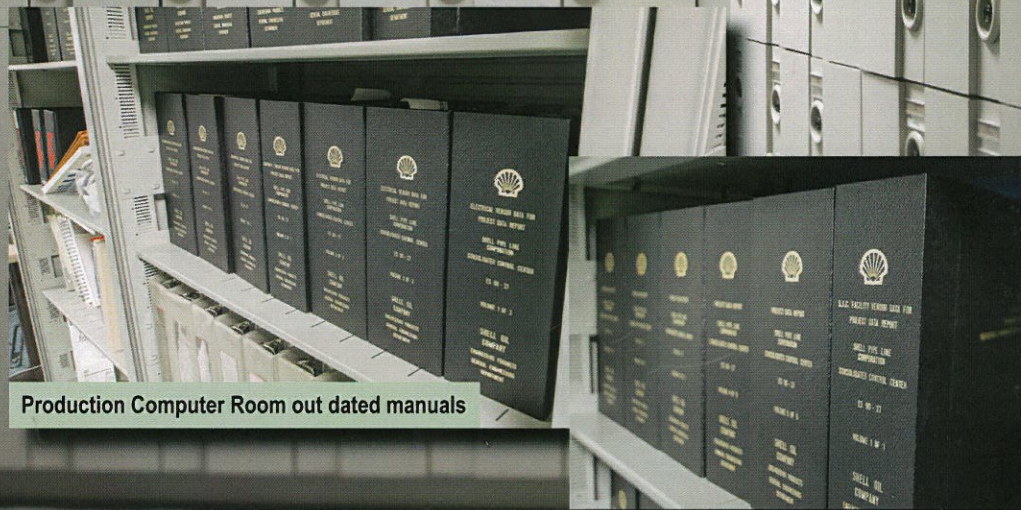
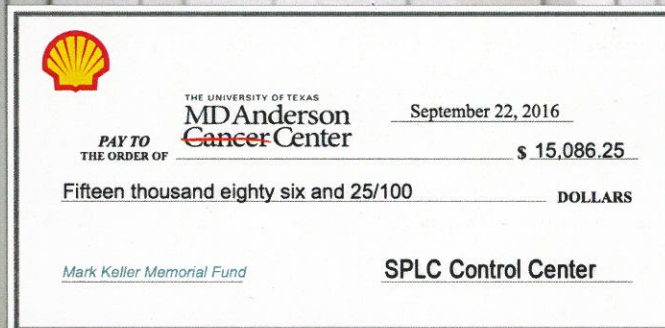
As the Control Center prepared to relocate from Downtown to Woodcreek, it was evident that 25 years of valuable memories had been acquired. On February 24, 2016, the Control Center launched its "Silent Auction" where all proceeds from sales would be donated to M.D. Anderson on behalf of the Mark Keller Memorial. Using SharePoint, staff was able to see a listing of auction items and place their bids where friendly bidding competitions often took place. The auction took place during a seven month timeframe and over 100 items were sold.

"What an honor and privilege it was to present \$15,086.25, including Shell HERO donation matches, to M.D. Anderson on behalf of the Mark Keller Memorial" said Jill Derise, Pipeline Excellence Manager. "The charitable generosity by staff was overwhelming."

Special recognition goes to Mary Tompkins, Pipeline Excellence Administrative Assistant, for her dedication to this paying-it-forward project. Mary spent months pulling together auction items, setting up the auction site with pricing and pictures, delivery of auction items to winners, and keeping records of payments including HERO matches.



Control Center Training Room dedicated in 2007, in honor of Mark A. Keller for his passion for training, dedication to the Control Center, and professionalism in all he accomplished. Mark's commitment to improve each individual's knowledge was exemplary. His passion for life and training touched us all.



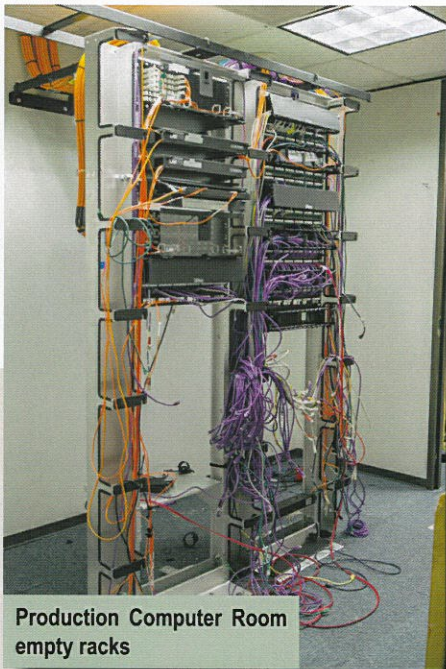
Production Computer Room out dated manuals



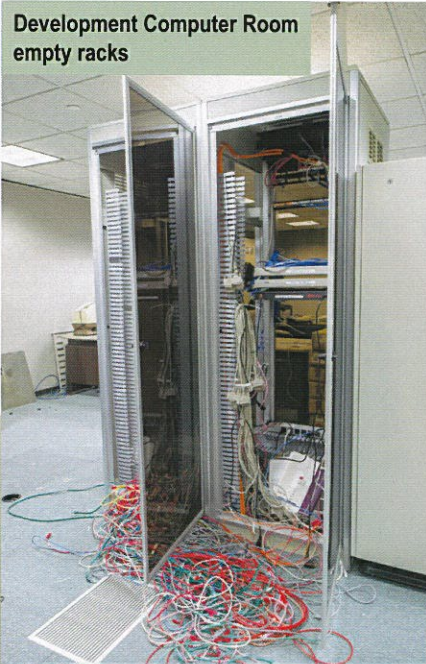
TSP16 Emergency Evaluation Plan



Console

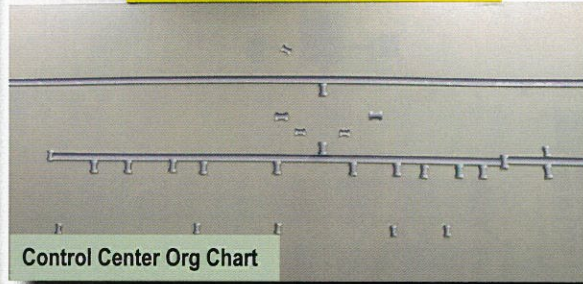


Production Computer Room empty racks



Development Computer Room empty racks

SHELL PIPELINE CONTROL CENTER



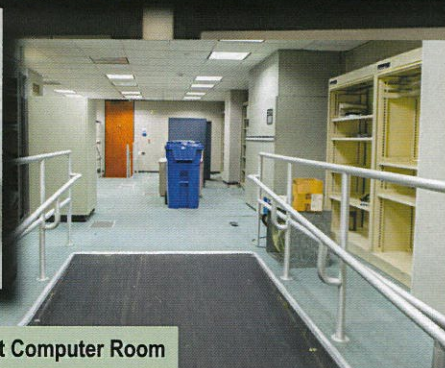
Control Center Org Chart



Operations Training Room

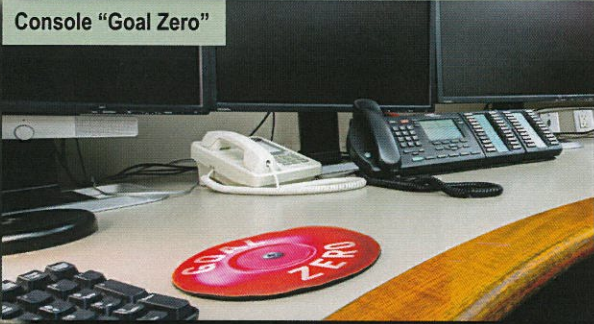


Development Computer Room old tapes

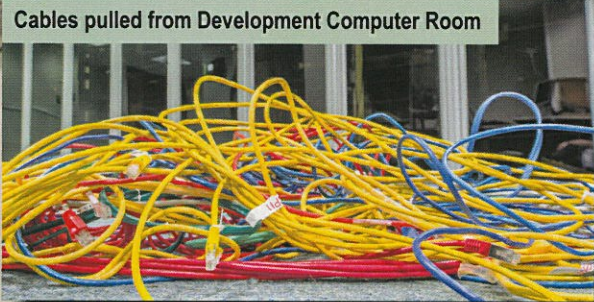


Development Computer Room

Console "Goal Zero"

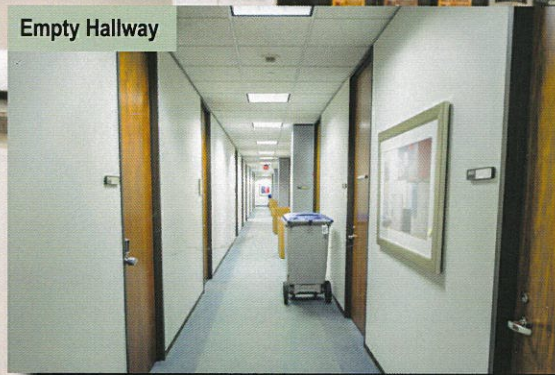


Cables pulled from Development Computer Room

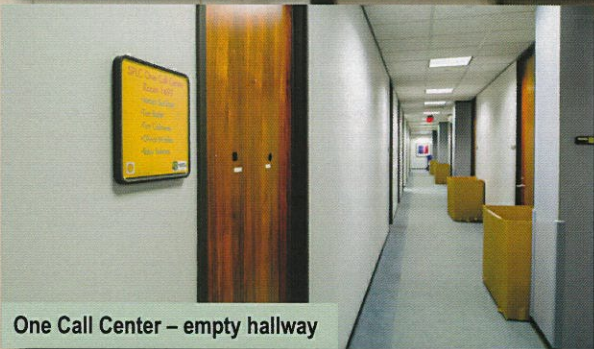


Control Center Consoles

Empty Hallway



Entry to Operations Consoles



One Call Center - empty hallway

As auction items leave the floor and we are left with the emptiness, it is easy to remember all the good times we had Downtown - seeing Controllers at their consoles, having lunch with friends in the lunch room, meetings and celebrations held in our favorite conference room TSP1633. Memories are recollections from the past and the memories we shared in the Control Center at TSP will always be full.

OASyS Communicates with the Field!

Tuesday April 26, 2016 was a landmark day in the SPLC SCADA Replacement Project. For the first time in SPLC history a remote device was operated from the Houston Control Center by a SCADA system other than Vector.

Working seamlessly as a team, Joe Fisher, John Keener, Robert Andrews, Terry McCoy and Mona Maini communicated via telephone with a team of technicians at the Rio Bravo Pump Station led by Project Manager Russell Duplechain, and were able to successfully issue the first command via SPLC's new SCADA system – OASyS.

Early Tuesday morning, from Mona's office in Two Shell Plaza, Joe Fisher, a controller on the Northern California Console, was calm, cool, and collective while ensuring that the pipeline, pumps and station were shut down in a safe and orderly manner. While Joe was monitoring both Vector and OASyS simultaneously he was also getting input and updates from Derek Ferraro, the Northern California Console controller on duty.

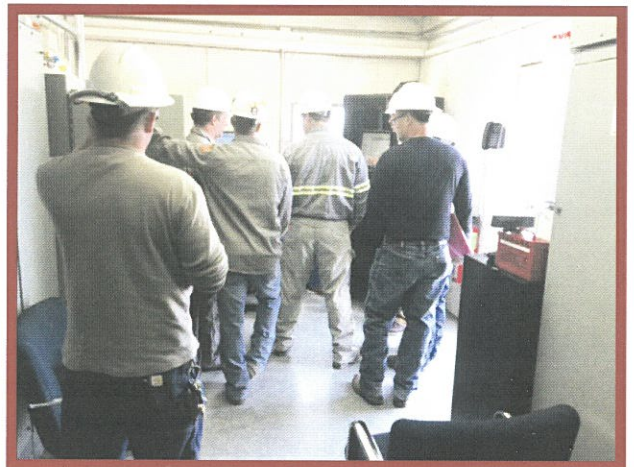
And finally, after years of preparation and countless hours of meetings, the first command to execute the operation of a remote device was successful. Unit 1 at Rio Bravo station was sent a "stop" command via the new OASyS system and the command functioned flawlessly. Further testing of equipment at the station continued throughout the day. Other devices such as motor operated valves, pressure and flow set points and communications equipment were tested back and forth multiple times between the Control Center in Houston and Russell's team at Rio Bravo Station. Russell's team included Ritchie Labat, Darren Shipman, Kelly Hudson, Michael Schneider, Byron Taylor, Jeff Musser and Bud McDaniel.

"We sent a download to the Micro Omni and forced status points and generated alarms. We spent over 4 1/2 hours testing points and reviewing the procedure. The test was to develop the communications skills and follow the commissioning plan with the two teams and we accomplished both," stated Russell Duplechain.

When asked his feeling about the whole procedure, Sr. Staff Analyst Robert Andrews said, "Overall, the test was a success" and that he was also "extremely happy that we were able to successfully download the configuration to the RTU."

After a long day of testing, crunching data and relentlessly talking on the phone, SCADA Specialist Mona Maini was "thrilled with the Point to Point Dry Run results" and also admits she "has never had so many people in my office at one time."

Considering the hours of work put into just the procedure for the testing alone, this was an extraordinary accomplishment and exemplifies the importance of optimal communications between Control Center and field personnel. Pipeline Controllers, Project Managers, Programmers, Database Analysts, Communications Technicians, Electrical Technicians and Craft Specialists all worked and communicated effectively to ensure the entire Point to Point Dry Run was done safely and operationally compliant.



by Ryan Rougee, OASyS Operations Analyst

Control Center SCADA Replacement Project

Northern California Point to Point

The SCADA Replacement Project Point to Point testing for Northern California Console was completed in August 2016. Northern California is the first console scheduled to cutover to the new SCADA system on March 15, 2017. Point to Point testing for Northern California began June 7, 2016, with Project Team leads Robert Andrews and Russell Duplechain leading efforts on behalf of the Control Center and Engineering, respectfully. The Project Team consisted of SPLC Engineering, Operations, Control Center, Maintenance, and Contract Staff from NuGen, UTSI, and Cimation companies.

The Project Team took advantage of the SJV downtime and accomplished over 60% of testing during the outage with no impact to operations. A "pre test" simulation tool was implemented to ensure all points and displays functioned properly before starting the official Point to Point test. Over 2200 points were tested during the process and 2400+ man hours were safety worked throughout the Hard Freeze Point to Point period. Point to Point testing is scheduled to begin January 3, 2017, for the Chemicals Console with over 4000 points.

Congratulations to team members R. Duplechain, R. Andrews, B. Garrison, R. Labat, R. Rogers, W. Stice, H. Lemoine, R. Rougee, B. Webb, T. McCoy, K. Hudson, D. Shipman, K. Smith, J. Musser, D. Sandoval, R. Gunn, M. Schneider and contractors from Nugen, UTSI, and Cimation on a job well done!



Bill Webb and Bryan Taylor – Northern California

Ryan Rougee and Seth Pratt - Control Center



CONSOLE CUTOVER ORDER

Order	Vector Console Number	Description
1st	8 (OASyS Console 4)	Northern California
2nd	2	Chemical
3rd	7	Southern Products
4th	5	Southern California
5th	9 (OASyS Console 6)	South Louisiana
6th	3	Mid-West Crude
7th	1	Offshore

FREEZE PERIOD PROCESS

	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17	1/18	2/18	3/18	4/18	5/18	6/18	7/18	8/18	9/18	10/18	11/18	12/18	
Console 8				SOFT																																	
Console 2																																					
Console 7																																					
Console 5																																					
Console 9																																					
Console 3																																					
Console 1																																					

Please note new freeze period dates for console 8. Subsequent console freeze period dates are still in evaluation.

Please note new freeze period dates for console 8. Subsequent console freeze period dates are still in evaluation.

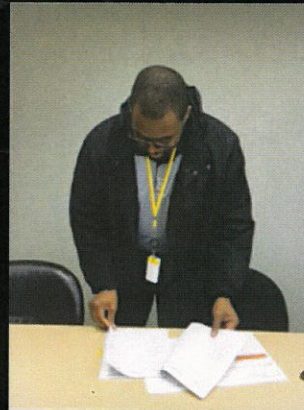
Freeze Period	Description	Changes Allowed
Soft	Activated two (2) months prior to point-to-point testing. No major changes will be made.	50 pts., 3 displays, but no new systems or stations allowed.
Hard	Activated during point-to-point testing. Only minor changes permitted.	10 pts., but no new displays, systems or stations allowed.
Burn In	During the burn in period immediately prior to cutover. Only changes with high business impact allowed, which may impact the cutover date.	Emergency or Immediate Business Impact Only.

All database display changes must be made on both Vector and OASyS prior to the console cutover.

Changes must first be evaluated for impact to the project schedule and approved by the appropriate manager:

- The Control Center Manager if the impact to the console cutover is one (1) week or less.
- The Decision Executive if the impact to the console cutover is more than one (1) week.

Shell – Schneider Long Term Support Agreement (LTSA) Signing for New SCADA Software



OASyS SCADA Hardware - Refresh

To keep the SCADA replacement project on track following failure of new hardware (manufacturer defect) during testing, the Control Center Hardware team:

- Designed an improved solution for replacement of over 162 Production and Development SCADA servers (of 231 SCADA Servers and Workstations).
- 5 weeks, 1,818 manhours later, working 24 hours per day during startup:

102 replacement physical and 60 Virtual servers: Mounted, networked, OS installed/configured ready for 9/12 SCADA install

Special thanks to John Scroggins, Emil Armendariz, Chris Horton, John Burns, Jeff Griffith, Tommy Lai



“Maintain Safe and Compliant Operations”

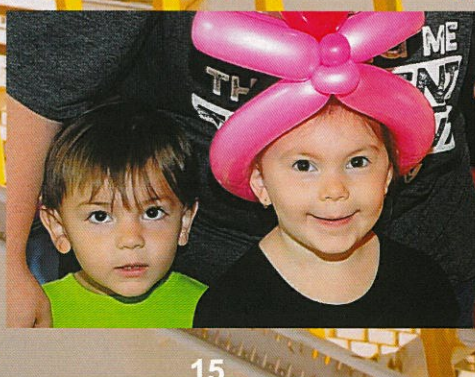
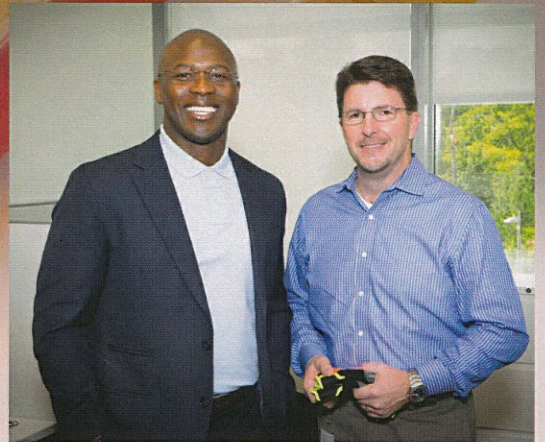
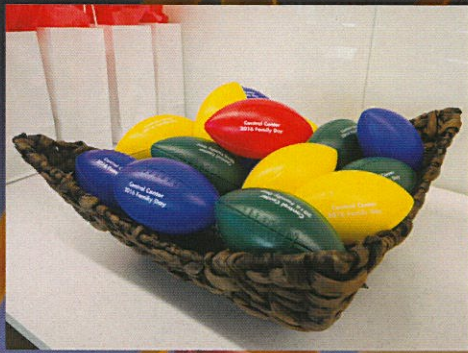


Mike Holevinski, David Scruggs, Otis Langley, Jim Bertus, John Joseph, Keith Partney, Ramiro Valdez, Linnard Hendrix, Jim Homer

All,

You accomplished one year without experiencing an “Incident with Consequences,” which is a phenomenal feat. This is the second time in my memory that the accomplishment has occurred. I will stop by and personally “Thank You” as your disciplined effort is much appreciated.

~ David W. Scruggs
Operations Manager



Control Center 2016

Lynn Adams-Tavares

Osborne Anderson

Quinn Anderson

Robert Andrews

Arif Rahyab

Emil Armendariz

William Babin

Bryan Baird

Mark Baker

Luzie Benavides

Jim Bertus

Chris Box

John Burns

Roxana Byers

Kade Campbell

Will Chisum

Jay Cleveland

Manny Diaz

Ramiro Espinoza

Derek Ferraro

Joe Fisher

Glenn Fournier

Bill Garrison

Matt Gaspard

Pete Gering

Errol Giroir

Ron Gresham

Jeff Griffith

Gordon Gripp

John Hayward

Cody Heflin

Linnard Hendrix

Erasmo Hernandez

Mike Holevinski

Jim Homer

Chris Horton

Josh Hradil

Charles Jacobs

Seth W. Johnson

Seth Johnson

John Joseph

Susan Kettles

Oliver Khalil

Tommy Lai

Jordan Langley

Otis Langley

Byron LeBlanc

Chris Mallon

Kendrick Manuel

Ryan Martinez

Terry McCoy

John McMahan

Gloria Meza

Lawrence Miller

Luis Moreno

Dwaine Morris

Kevin Neyman

Robert Ondrey

Jen Pagano

Keith Partney

Cliff Partney

Krish Patel

Paul Petkovsky

Cody Pham

Joe Ramos

Tony Rolland

Ryan Rougee

Jimbo Ryan

John Scroggins

David Scruggs

Major Simmons

James Simmons

Jim Simpson

Andre Smith

Michael Stewart

Jerry Thomason

Terry Thompson

Isadora Torres

Ramiro Valdez

Trey Valdez

Korey Wilson

Montie Wren

