

AFCONS INSIGHT

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LEADER OF THE PACK

Afcons becomes first Indian EPC contractor to install a Process Platform using the float-over technology on time

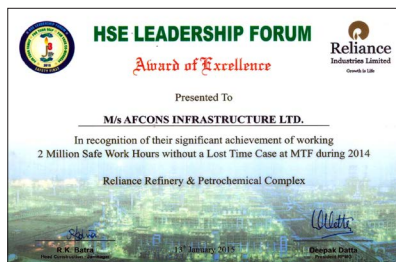
National Safety Council of India has awarded Appreciation Certificates to our sites DMRC CC 15, KRCL Tunnel, Nagpur CSB, Dahej Opal in recognition of appreciable achievement in Occupational Safety & Health on March 12, 2015

ONGC has awarded an Appreciation Certificate for attaining Six Million Safe Man Hours at HRD Process Platform on February 06, 2015

Daelim Industrial Company has awarded a Plaque of Appreciation and Achievement Certificate for attaining One Million Safe Man Hours at MAA Refinery, Kuwait, on January 22, 2015

IHI has awarded an Appreciation Letter for achieving 0.5 Million Safe Man Hours at Dahej 2277 site on January 17, 2015

Reliance Industries Limited has awarded an Appreciation Certificate for the achievement of Two Million Safe Man Hours at Reliance Refinery and Petrochemical Complex, Jamnagar on January 13, 2015



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EDITORIAL

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From VC & MD's Desk

That's 'two' good in offshore Oil & Gas



I am glad to announce that we have made a remarkable achievement in offshore Oil & Gas by successfully installing a process platform using the float-over technology. This makes us the first Indian EPC contractor (as leader of a consortium) to deploy the float-over technology on time. It is a rare manoeuvre in Indian offshore, and, our success is a reflection of the efficient team work and high-end engineering.

In India, there is a lot of hesitation to opt for float-over technology. By delivering yet another process platform for ONGC using a 'difficult' technology, we hope to have fulfilled our client's expectations. We have always aimed towards gaining full satisfaction and trust of our clients. It has been a privilege to work with ONGC who are 'tough' and 'demanding'. Their constant feedback and involvement have pushed us into optimising our engineering skills.

This phenomenal achievement wouldn't have been possible without the active participation from our JV partners. I would like to thank everyone associated with this project, including the sub-contractors, for their whole-hearted support. We are into the 150th year of the Shapoorji Pallonji Group. While we celebrate this historic year, I am sure this achievement will have a lingering effect, and, motivate us to chase more complex projects in future.

K Subrahmanian

AFCONS creates record in Indian Oil & Gas industry

The leader in a consortium, comprising Technip, India/France & THHE, Malaysia, becomes first Indian EPC contractor to install a process platform using float-over technology on time

A FCONS Infrastructure Limited (AFCONS) achieved a new milestone in January this year by executing a float-over installation of the HRD Process Platform, for ONGC, in the west coast of India. Float-over operation is a new concept which is being recently used in ONGC projects wherein an offshore vessel carrying the heavy topside is made to enter into the slot created between jacket legs and stab the complete topside on the jacket. With this phenomenal achievement, the Shapoorji Pallonji Group Company became the first Indian EPC contractor to install a process platform using the float-over technology on time. This was only the second float-over operation to be carried out in India.

In offshore Oil & Gas industry worldwide, most topsides are installed by conventional method of lifting. So far, only 27 topsides have been installed across the world using the float-over technique. AFCONS, the leader in a consortium comprising Technip, India/France and THHE, Malaysia, became the first Indian contractor to adopt the technology and successfully execute it. The design and installation was handled by Technip.

The HRD topside was constructed in Vietnam, with loading out on the planned date. It was transported on a float-over barge to Heera Field (situated 70 km south-west of Mumbai city), Indian offshore by sea all the way from Vietnam.

Parallely, during this time, the jacket was installed and prepared to receive the topside. On January 15, the HRD topside was mated with the jacket making the process platform a monolithic structure. The entire operation was completed in 34hrs from preparations to complete installation.

It was a phenomenal event where a structure of 8,300 MT got installed in a single attempt. AFCONS could pull it off with the help of Dockwise team, who were subcontractors and owners of the float-over barge. They carried out the ballast operation for the complete float-over in addition to jack operation. Notably, this was the second back-to-back Process



Float-over technology reduces offshore hook-up work and mobilisation of barges. The HRD topside was sailed out with 99.5% onshore fabrication completion

Platform project that AFCONS did for ONGC. Earlier, AFCONS had installed the ICP-R Process Platform in 2012.

Reminiscing the journey, AFCONS Vice Chairman & Managing Director, K Subrahmanian, said: "You don't enter an offshore process platform in your first attempt because that represents almost the upper end. But, in our case, by default, it turned out to be our starting point. We demonstrated strong project management skills. Our relationship management and selection of good vendors, even as first time entrants into offshore Oil & Gas, helped us in delivering the ICP-R Process Platform. This consequently qualified us to quote for the HRD project."

Even though the AFCONS-led consortium bagged the HRD project, there was strong apprehension against the float-over technology.

"In India, there is a lot of hesitation to opt for float-over technology. But we, associated with Technip who had huge experience in float-over operations. With a good procurement network and strong project management, we carved out a story of successful technology transfer between an Indian and an

FIGURES

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international organisation,” Subrahmanian said. The float-over window is normally very narrow. If the installation is not completed as planned one would be forced to spend a lot of additional time offshore.

“It is a very precision operation. But if you plan it well it’s doable, and, we have shown it,” Subrahmanian said.

The HRD Process Platform installation will inspire prospective contractors to use the float-over technology in future. Using float-over not only saves time, but also cuts down the risk in offshore operations and it is environment friendly.

Elaborating on the advantages of float-over methodology, AFCONS Oil & Gas director, PK Johri said: “The advantage of float-over is it reduces offshore hook-up work and mobilisation of barges. The HRD topside was sailed out with 99.5% on-shore fabrication completion. The float-over helped in a precise and safe installation of the topside, which is a landmark in Indian offshore.”

AFCONS is known for adopting innovative and new technologies. In upstream segment of Oil &

Gas, process platform projects are treated as most complex, high-risk and challenging jobs. AFCONS takes pride in entering this high-risk segment and successfully completing two process platforms back to back.

|| We associated with Technip who had huge experience in float-over operations. Through a good procurement network and strong project management, we carved out a story of successful technology transfer between an Indian and an international organisation

K Subrahmanian,
VC & MD, AFCONS

CHALLENGES IN FLOAT-OVER METHODOLOGY

IDENTIFYING THE AVAILABILITY OF APPROPRIATE FLOAT-OVER BARGE/VESSEL

AVAILABILITY OF FLOAT-OVER WINDOW BOTH FOR LOAD OUT & SAIL OUT AT YARD AND INSTALLATION AT OFFSHORE

DETAILED ENGINEERING TO MEET CLIENT’S SPECIFIC REQUIREMENT FOR HOUSING TOPSIDE PACKAGES, EQUIPMENT ETC THROUGH VARIOUS HAZOP/HAZID ANALYSIS DURING DIFFERENT PHASES OF OPERATION

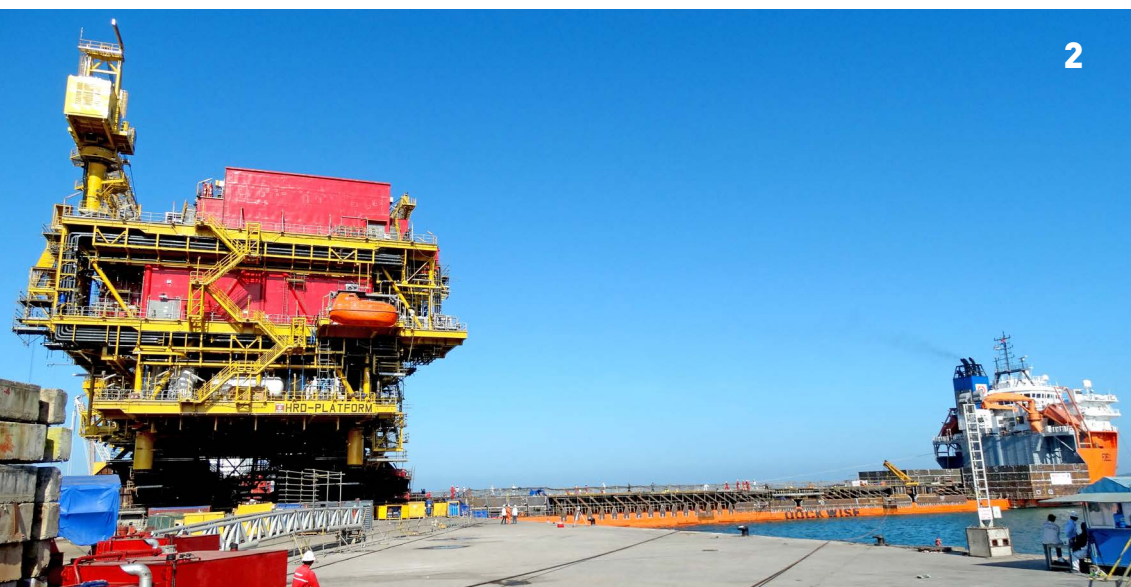
FINDING AN EXPERIENCED FABRICATOR NOT ONLY CAPABLE OF FABRICATION & LOAD OUT STRUCTURE ON SELECTED VESSEL, BUT ALSO PERFORM ON-SITE TESTING (SUCH AS STRING TEST FOR PGC, HYDRO TEST, LEAK TEST ETC) TO REMOVE THE OFFSHORE TESTING CYCLE, HOOK UP & COMMISSIONING

TRANSPORTATION OF TOPSIDE IN SINGLE UNIT

INSTALLATION OF TOPSIDE WITH CONTINUOUS MONITORING & ANALYSIS



1



2



3

1. Sail away of HRD Process Platform from PTSC Vietnam to Mumbai High
2. Load Out of HRD Process Platform at PTSC Vietnam
3. HRD Bridge being installed at Mumbai High

Afcons wins Asian Banker's Choice Award 2015



Afcons' transaction underwent stringent evaluation & finally was adjudged as "Best Corporate Trade Finance Deal in India" by The Asian Banker's Choice Awards 2015. The award was received in Hong Kong by Mr Ashok Darak, head of F&A

April 14: The Banker's Choice Award programme was instituted in 2012 and is now into its second iteration. It is designed to recognise corporations that have strong financials and demonstrate the ability to use the financial supply chain to add value to their partners in the upstream and downstream activities of their businesses. They monitor and evaluate the relationship between banks and their corporate clients and how the banking industry is adding value to

the changing needs of corporates. These awards are given out once in every three years to give banks the opportunity to study which corporations are making a transformational change in their respective industries. It is believed that through the development of this award programme, banks will learn from their corporate clients and the quality of banking solutions will increase because they are developed in partnership with them.

HSE National Safety Day

March 04: The 44th National Safety Day was celebrated by AFCONS with a theme "Build a Safety Culture for Sustainable Supply Chain". At head office, safety quiz was conducted for the employees. The HSE department performed a street play to explain the importance of safety. Later, prizes were distributed to all the winners followed by a short movie on Road Safety. The National Safety day was also celebrated at various Afcon sites across India.



Street play at HO



Chenab Bridge

News

Road Safety Week Celebration

The 26th Road Safety Week was celebrated at CMRL Pkg 05 from January 11 to 17, 2015. Pamphlets emphasizing importance of road safety were distributed to commuters and pedestrians at various places in Chennai.

Health awareness and medical check-up camp

A health awareness and medical check-up camp was conducted at Dahej (2277) with the support of NLRDF Team. A total of 155 workers were treated in the camp.



New Project in Capital

Afcons has been awarded a new project by DMRC for construction of elevated stabling line for Kalindi Kunj depot, including structural, architectural finishing, water supply, sanitary installations, external development works etc at Jasola Vihar on Janak Puri West to Botanical Garden Corridor of Phase - III of Delhi MRTS.

Safety Nukkad Natak Programme

A Safety Nukkad Natak Programme was held at DMRC CC29 site for all the workers and staff on February 17, 2015. The importance of safety at work was emphasized.



HR Corner

Whole Wellness Workshop - Jamnagar & HO

A Whole Wellness Model Orientation Training was held for employees at Jamnagar site from February 26 to March 1, 2015. The programme was conducted by Ms. Bhakti Prasad & Ms. Tejaswini Joshi. The training focuses on employee's wellbeing across four dimensions of wellness (physical, emotional, mental and spiritual). The training for employees at Head Office was held on February 12 & 19.



Whole Wellness Training at Jamnagar

Bone Densitometry & Lung Function Test - Dahej

Bone Densitometry Evaluation test was carried out for employees at Dahej site. The test is carried out to assess the level of osteoporosis in bones, and accordingly take necessary corrective steps. Spirometry (Lung Function) test helps to find out the lung capacity of the individual and is a

good indicator of the lung condition for people exposed to dust, cement and chemicals.

Health Talk and Health Awareness Programme @ HO

A general Health Check up camp was organised for employees at HO on March 27, 2015 by Kokilaben Dhirubhai Ambani Hospital. Blood Pressure, Random Blood Sugar, BMI & ECG tests were carried out. A health talk on heart-related problems was also organised as part of the Health programme.

Problem Solving & Decision Making workshop

A one-day training programme on "Problem Solving & Decision Making" was conducted at Kakinada on Jan 10, 2015. The objective of the training was to make participants understand the tools and techniques of problem solving and decision making. The programme also provided analytical techniques for the same.

Communication Skills

A one-day training programme on communication skills was scheduled for employees at Kakinada site. The objective was to enhance verbal and written communication skills, and improve the quality and effectiveness of spoken communication.

New Joinee



Dilip R Patel has joined as Jt General Manager-Projects at Head Office. He has an overall experience of 34 years.

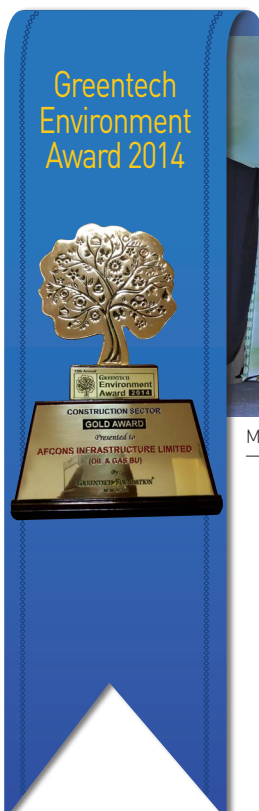


Vikram Jeet Singh has joined as Dy General Manager-Execution at Head Office. He has an overall experience of 21 years.



Sreenivas Bandaru has joined as Dy General Manager-Mis & Costing at Head Office. He has an overall experience of 25 years.

Awards



Mr PK Johri (extreme right) receives the award along with members of the HSE team

The Oil & Gas BU bagged the "Greentech Environment Gold Award 2014" in the construction sector. The award function was held at Novotel Hotels, Kolkata, on January 29, 2015.

The award was presented to Mr PK Johri, Director, Oil & Gas, Afcons by Dr Bhaskar Chatterjee, IAS (Retd.), Director General & CEO, Indian Institute of Corporate Affairs, Ministry of Corporate Affairs, GOI and Mr Kamaleshwar Sharan, Chairman & CEO, Greentech Foundation.

Safety Promotion Programme at KNPC

As part of Safety Promotion Programme, a safety function was organised on April 02, 2015 to acknowledge the laudable safety performance by our employees at KNPC. Representatives from KNPC PD, including Project Coordinator Mr. P N Rao, Daelim, staff & workmen of AFCONS and their sub-contractors attended the function.



SP UNITY CUP ROUND-UP

The Shapoorji Pallonji Group is completing 150 years this year, and, to celebrate this landmark moment, a series of events have been planned. One such celebratory programme for employees across group companies is the SP Unity Cup. The Unity Cup is a year-long sporting event held across the country to bond employees across cadres, companies, hierarchies, ages and regions. Sports is a common thread that runs across our lives in India. Besides the euphoria and excitement



it creates, it is a great medium to imbibe values like discipline, honesty, integrity and leadership. Afcons has done brilliantly so far. West Zone has been especially efficient in various disciplines. The athletics meet was dominated completely by Afcons. 16 medals were grabbed in a day. There is no bigger satisfaction & fulfilment for an employee than getting laurels for his/her organisation. SP Unity Cup presents opportunities to employees to showcase their talent and prove themselves worthy of being heroes.



Medal Tally

	G	S	B
Afcons	11	10	9
Eureka Forbes	10	11	11
Forvol	-	-	-
Forbes Facility	2	3	2
Forbes & Company	12	2	6
Gokak Textiles	-	-	-
Shapoorji Pallonji and Company Pvt Ltd	11	11	9
SP Engineering Procurement & Construction	3	2	3
SP Investment Advisors	-	-	-
SP International	-	-	-
SP Construction Material Group	-	-	-
SP Infra	-	-	-
SP FAB	-	-	1
SP Real Estate	-	8	6
SP Engineering and Construction	31	26	20
Sterling and Wilson	17	13	12
Next Gen	1	-	-
SD Corporation Pvt. Ltd	1	4	2
Group Center	-	-	-

(as on April 11, 2015)



★ Hall of fame

100 metres Race

Men:

Stanley Correa (WZ) **GOLD**
Susanta Maharana (NZ) **GOLD**
Johny Joy (NZ) **BRONZE**

Women:

Prescilla Fernandes (WZ) **SILVER**
Christina Nazareth (WZ) **BRONZE**

200 metres Race

Men:

Stanley Correa (WZ) **BRONZE**
Susanta Maharana (NZ) **SILVER**
Johny Joy (NZ) **BRONZE**

Women:

Christina Nazareth (WZ) **GOLD**

400 metres Race

Men:

Anil Kumar Sharma (WZ) **BRONZE**
Susanta Maharana (NZ) **SILVER**

Women:

Christina Nazareth (WZ) **SILVER**

5000 metres Race

Men:

Prathamesh Naik (WZ) **GOLD**
Anil Kumar Sharma (WZ) **SILVER**
Jitendra Singh (NZ) **SILVER**

Women:

Christina Nazareth (WZ) **GOLD**

Long Jump

Men:

Vineeth John (WZ) **GOLD**
Johny Joy (NZ) **GOLD**
Susanta Maharana (NZ) **SILVER**

Women:

Christina Nazareth (WZ) **BRONZE**

4 X 100 metres Relay

Men (above 40 years): (WZ) **GOLD**
Balaramayya Nagisetty, Arjun

Singh, Rakesh Sharma, Vinod V

Men (below 40 years): (WZ) **GOLD**
Prathamesh Naik, Anil Kumar Sharma, Stanley Correa, Swaroop Shetty

Men: (NZ) **GOLD**
Jitender Singh, Mukoonda Das, Sachit Singh, Susanta Maharana

Tug of War

Men: (WZ) **GOLD**

Rakesh Sharma, Stanley Correa, Sarath Kumar Raju, Shivakumar Bhat, Ahamad Jani Shaik, Mohammad Imran Abdul Aziz, Sachin Kunkawlekar, Sanket Sant, Nishikant Dhawale, Prathamesh Naik, Suraj Agarwal, Ranjith Nambiar, Balarammaya Nagishetty, Vikas Kale, Prashant Nalawade

Men: (NZ) **BRONZE**

Amitej Singh, Rajkamal Sharma, Pankaj Kumar, Prasanna Padhi, Bhanu Prakash Nandigari, Yogesh Akhand, Baban Jadhav, Shubham Agarwal, Jitendar Singh, Cherysh Karuvely, Sachitsingh, Pranjal Dutta

Women: (WZ) **SILVER**

Rama Shetty, Stuti Shrimali, Jayashree Salian, Solly Joseph, Ragini Rumade, Sarita Joshi, Christina Nazareth, Sahivani Sarkhot, Vasusmitha Joshi, Ashwini Bhide, Prescilla



Fernandes, Prabha Mishra, Hemal Pankhania, Supriya Powle

Football

Team from North zone
BRONZE





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