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Rail Alliance Bids For 2 Packages of Qatar Integrated Railway Project

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The joint venture formed and named Rail Alliance Design and Build. The joint venture is composed of Al Jaber Trading and Contracting Co. W.L.L., Hochtief Solutions Middle East Qatar W.L.L., Consolidated Contractors Company, and Lusail Hochtief Q.S.C.

The design of joint venture which consists of Arup Middle East, Hyder Consulting and Hochtief Consult will be working as subcontractor under the above mentioned consortium.

The objective of the Rail Alliance Design and Build is the overall management of project particularly in design, planning, engineering and construction.

The general description of the entire project of Qatar Integrated Railway Project (QIRP) comprises of 4 Metro lines along with long distance passenger services and a freight system. The current focus is placed on five urgent underground Design-Build packages that include underground tunnels as well as underground stations. The 5 packages are Mushaireb Main Station, Red Line South and Blue Line, Red Line

North, Golden Line and Green Line.

Rail Alliance Design and Build was qualified to tender on 2 packages (Red Line South and Blue Line and Golden Line).



Inside Train Station

Quality is the result of a carefully constructed cultural environment. It has to be fabric of the organization, not part of the Fabric.
-Philip Crosby





Engr. Mohammed Al Hamayda
Projects Manager

QREIC's Dukhan Housing Project (Phase 9) is under construction



Engr. Adnan Dweik
Project Manager
Dukhan Site 88

Construction, completion and maintenance of Dukhan Housing Project Phase 9 has an overall progress of 1.82% as of first week of February. This is in reference to the weekly construction status report with progress cut-off period from 1st to the 8th of February 2013. The project is under the direction of Engr. Adnan Dweik as Project Manager. It is one of the flagship projects of QREIC



Dukhan Housing Project Phase 9

located in QP Dukhan Township which Qatar Petroleum is expected to be the End-User.

Construction team of Site 88 is under the guidance of Engr. Qusai Abou Jamous as the Construction Manager for the whole project which was subdivided into three Packages (Packages 1, 2 & 3).

All site packages are constructed towards the completion milestone.



Mosque

Qatar Petroleum's EPIC Project is on progress



Engr. Alaa Radwan
Project Manager
Site 302 (Ras Laffan)

The Engineering, Procurement, Installation and Commissioning (EPIC) of Joint Forces, Government and Coast Guard Telecom Buildings under the leadership of Engr. Alaa Radwan as Project Manager has an overall actual cumulative Progress 21.93% against working Plan 19.91% as of 7th February 2013.

Site 302 Construction Team is led by Engr. Mahmoud Ali as the Construction Manager for the entire project. The whole project comprises of three (3) site locations identified as Joint Forces Buildings (Site No. 1), Government Buildings (Site No. 2), and Coast Guard Telecom Buildings (Site No. 3).

All sites are geared towards construction and commissioning milestone.



SSI-state Security Investigation Building



Telecom Building





Engr. Mohammed Al Hamayda
Projects Manager

Construction of Four New Schools Latest Updates



Engr. Emad Al Ashqar
Project Manager
Site 301 (4 schools)



Mohammed Abdul Aziz Al Mana School



Al Istiklal Preliminary Girls School



Ousama Bin Zaid Preliminary Boys School



Ahmad Bin Hanbal Secondary School

With Engr. Emad Al Ashqar at the helm as Project Manager for Site 301 (Construction of Four New School), the overall actual progress of construction for all schools is 25.91% as of first week of February. The cut-off period for the said progress is from 1st to the 8th of February 2013. Site 301 construction team is headed by Engr. Mohamed Al Attar as the Construction Manager for all schools. The Site Managers for the four schools are Engr. Yamen Abdin (School No. 1 - Mohammed Abdul Aziz Al Mana Secondary Boys School), Engr. Mohamed Salfiti (School No. 2 - Al Istiklal Preliminary Girls School), Engr. Ayman Hamed (School No. 3 - Ousama Bin Zaid Preliminary Boys School) and Engr. Mohammed Abu Deeb (School No. 4 - Ahmad Bin Hanbal Secondary Boys School).



Engr. Amjad Khaleel
Project Manager
Site 110, 112, 114

Sites 110 and 112 undergoes Handing-Over, Testing and Commissioning while Site 114 is Substantially Completed

With Engr. Amjad Khaleel at the helm as Project Manager for the three (3) projects under Barwa Commercial Avenue, Site 110 (Package 10 for Landscaping & Infrastructure) and Site 112 (Package 9 for Interior Works) are now under the handing over, testing and commissioning stages while Site 114 (Road Works Package) recently granted the substantial completion of works by HOCHTEIF.

Sites 114 and 112 are geared towards the substantial completion works and defects liability period while site 110 is expected to grant substantial for completion very soon.

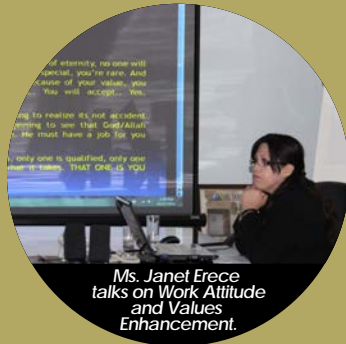


Road Works for Barwa Commercial Avenue.



Development Department conducts series of In-House Trainings

Development & Quality Departments under the leadership of Engr. Sherif Nasser has launched their in-house training plan after the approval of JTC top management, effective from November 2012 with an intention to provide half day course per month for each Quality staff in the department as a continual development for their skills and competencies.



Ms. Janet Erece talks on Work Attitude and Values Enhancement.



Engr. Sherif Nasser expounds on Workshop for Inspection Operation Procedure



Mr. Mohamed Cheikhrouhou presents on Environmental Management System Awareness and OHSAS 18001:2007 Occupational Health & Safety Management System.

The internal training has been designed to prioritize and cover the most needs for the majority of Development & Quality Department staff. The trainings are conducted in JTC conference room every two consecutive Saturdays per month, commenced last November 17, 2012. Trainees were grouped into two with the aim to avoid impact on site activities. Each monthly half day course consists of four sessions with 50 minutes presentation per each.

The Trainers are from JTC and their volunteering efforts are recognized by the company.

Till now, the following trainers has shared in the first 6 months training plan design; Engr. Sherif Nasser, Engr. Nasir Gilani (Contract Department), Mr. Mohamed Cheikhrouhou, Engr. Julius Apostol, Mr. Victor Macanip, Engr. Amr Galal, Engr. Osama Fouda, Engr. Bernard Omollo, Mrs. Janet Erece (HR Department).

The series of conducted trainings will be evaluated by attendees as per corporate training procedure. A session is allotted for training conclusion and feedback from all participants with the objective to gather & come up with opportunities for improvement for the next training plan. One session is allocated for trainees' examination for the offered first quarter trainings in order to assess the value adding information and competency of every attendee.

At this stage of the on-going training program, Development Department would like to convey its warm appreciation for the full support and cooperation of all concerned for the successful implementation of this training endeavor for the benefit of continual development of all Quality Department staff and the company as a whole.



Mr. Victor Macanip discusses on ISO 9001:2008 Foundation.



Engr. Julius Apostol lectures on Quality Control for Concrete.

Topics covered for the half day course are as follows:

- Introduction to Quality Management and Training Program
- Quality Control for Concrete-Part 1 (Awareness of QCS 2010)
- Work Attitude and Values Enhancement
- ISO 14001:2004 Environmental Management System Awareness
- ISO 9000 Family Basics and Concepts
- OSHAS 18001:2007 Occupational Health and Safety Management System Awareness
- ISO 9001:2008 Foundation (Part 1)
- ISO 9001:2008 Foundation (Part 2)
- Quality Control for Concrete-Part 2 (Awareness of QCS 2010)
- ISO 9001:2008 Foundation (Part 3)
- Awareness of Contract Management and Variations
- Training Conclusions and Feedback for first annual training quarter
- Quality Control for Earthworks-Part 1 (Awareness of QCS 2010)
- Workshop for Inspection Operation Procedure
- Awareness of Electrical Works Basics for Civil Engineers
- First Quarter Examination
- Auditing Techniques (Part 1)
- Auditing Techniques (Part 2)
- Auditing Techniques (Part 3-Workshop)
- Lesson Learnt for Terrazo and Doors Installation
- Quality Control for Earthworks-Part 2 (Awareness of QCS 2010)
- Awareness of Mechanical Works Basics for Civil Engineers
- Workshop for Preparation of Method Statement
- Training Conclusions and Feedback for second annual training quarter.

Internal Security Management Training for HSE Department Security Personnel



Mr. Jonas Mensah lectures during the awareness session.

Health, Safety and Environment (HSE) Department conducted the presentation that was made possible through the volunteering efforts of Mr.

Jonas Mensah (Security Supervisor). The one-hour session was well-received by all attendees covering all the basics of internal security management within the

company including preparedness and timely response in cases of emergencies.

"The training program has been designed to shape up and upgrade all concerned Security Personnel in terms of internal security management within the company premises. One of the purpose of the training is to enable them to focus in achieving the necessary goals of securing corporate properties and prevent losses for the benefit of JTC".



Site 202 (NDIA Airline Operations Facility Project) Emergency Mock Drill

HSE Department conducted a mock drill at site 202 dated 05.03.2013, to test the response of the site staff and workforces regarding the arranged evacuation plan in place to handle emergency situation in case of any unexpected emergency occurrence.

The drill starts at 11:00am and all personnel and workforces were accounted at the designated Assembly Area after 4 minutes. Site 202 HSE section received positive comments from OBI / Client in the said emergency evacuation drill.



JTC HSE Department Man of the Month Awarding

JTC HSE Department awarded the prestigious certificate of appreciation for Man of the Month to a selected Al Jaber Trading Contracting Co. W.L.L. employees working in New Doha International Airport's (NDIA) Airlines Operation Facilities (Site 202) project with the present of OBI (client) Staff.



MR. ZAKI MOHAMMED ZAKI
CN: 26921

Present during the awarding ceremony are Mr. Muhamad Bashir (Site 202 HSE Manager), Mr. Amor Encomienda (OBI ES&H Area Manager) and Mr. Joe Appleton (OBI Construction Superintendent). The recognition took place on February 10, 2013 in Site 202 mess hall.



MR. RAM SIKIL
CN: 9644

The main objective of the recognition is to motivate workers towards working safely in site. The award consists of 3 awardees every month, each of them received certificate of appreciation and cash gift of 50QR from JTC. Man of the month awardees are Mr. Mohammed Zaki, Mr. Ram Sikil and Mr. Vishavnath Sanwat.



MR. VISHAVNATH SANWAT
CN: 18179

The man of the month for HSE award is an important undertaking for Site 202 wherein workers are chosen by Engineers and Foremen based on the criteria of Man of the Month form.



Bechtel Recognizes JTC for HSE Efforts and Support

Overseas BECHTEL Incorporated (OBI) recognized Al Jaber Trading and Contracting Company W.L.L. (JTC) for their efforts and commitment towards Health, Safety & Environment (HSE) achievements in New Doha International Airport's (NDIA), Airlines Operations Facilities Project (site 202, CP 65).

The certificate was formally awarded by OBI management representative (Mr. Lawrence Estrada) to JTC project management team; Engr. Mamdoh Abdulhafiz (Project Manager), Mr. Moh'd Faleh (CHSE Manager) and Engr. Beshoy Hanna (Construction Manager).

The prestigious award for Site 202 (Contract Package CP-65) is in recognition to the continuous HSE improvements and full commitment of project team in achieving zero accidents on site.



(L-R) Eng. Beshoy Hanna, Eng. Sherif Nasser, Eng. Mohd Mamdoh, Eng. Mohd Faleh of JTC & Mr. Lawrence Estrada of OBI, handed over the award.

QGBC offers Framework on Climate Change Seminar



Dr. Alex Amato of QGBC formally opens the seminar.

Al Jaber Trading and Contracting Company W.L.L. (JTC) attended the early seminar offered by Qatar Green Building Council (QGBC) at Al Qasr Ballroom in Wyndham Grand Regency on November 29, 2012.

The seminar themed as "COP 18—UN Framework for Climate Change" focused on the following agenda:

1. Introduction to Green Interest Group by David Marioni of Worley Parsons.
2. Systematic Methodologies and Tools to Reduce Emissions per Capita by Mirko Stijepovic of Texas A&M University Qatar.
3. Green District Cooling by Ahmed Abushanab of Worley Parsons.



JTC delegates to QGBC seminar.

4. Carbon Management: EcoNomics Sustainability Assessment Tool by David Marioni of Worley Parsons.
5. Sustainable Coastal Zone Management: New Tools for Managing Climate Change by Bahy Emam of Worley Parsons.

Delegates from JTC is composed of Engr. Jahson Rama, Engr. Walid Korrat, Engr. Osama Fouda, Engr. Mohamed Elshafi and Engr. Julius Apostol. The event was warmly attended and add-on green building sustainability awareness focusing in climate change was well-received as evidenced on the lively question and answer portion during the seminar.

JTC's corporate commitment in building a sustainable tomorrow with QGBC is indeed hale and hearty.



Contracts Department Introduces a New Trend on 'Contract Management'

JTTC's Contracts Department gladly introduced a new trend to have a 'mutual understanding' of Contracts Administration by sharing the ideas and suggestions among individuals working together in the Department. Accordingly, Contracts Department recently arranged an In-house Training Course, detailing, procedures and requirements of 'Contracts Management', to Office & Site staff at JTC's Conference room on 08th of December 2012. The purpose was, to Listen, Discuss and share knowledge on Pivotal matters of Contractual Claims, Variation and Payments, furthermore, to advise, describe and improve understanding of attendees on such matters.

Training Course was prepared and presented by Engr.



Eng. Nasir Gilani, Head of Contracts with Eng. Deolito Paña, Sr. Q.S In-Charge and JTC participants.

Deolito Paña (Sr. Q.S. Incharge) & Engr. Rajesh Sharma (Sr. Q.S.) under the supervision of Engr. Nasir Gilani Syed (Contracts Manager) on topics of Claims/Variations and Payments respectively.

While believing in continual improvements and working as team, contracts Department will be arranging similar trainings throughout the year for its staff in particular and other stake holders in general.



JTC attends QGBC Second Workshop on Retroffiting Doha's Existing Building Stock

The second seminar offered by Qatar Green Building Council (QGBC) on Retroffiting Doha's Existing Building Stock and the Road to Sustainability was warmly received by all attending guests and members including delegates from Al Jaber Trading and Contracting Company W.L.L. (JTC) in Wyndham Grand Regency on January 21, 2013.

The workshop focused mainly on the following agenda:

1. Introduction to QNRF Project by Dr. John Bryant of Texas A & M University Qatar.
2. Delivering Facilities Management in Qatar which is amusing and thought provoking review of where we are and where we need to go by Mr. Richard Jowskey and Ms. Collette Hijlkema both from MMG Qatar.
3. Building evaluation in the context of architectural practice by Prof. Mardell Shepley of Texas A & M University.



Dr. Zofia Rybkowski presents during the seminar.

4. Facilities Management problems in Qatar by Mr. Paul Evans and Mr. Gary Brennan.

5. The international phenomenon of lean construction and its growing role as a way to reduce cost and improve value of complex projects by Dr. Zofia Rybkowski of Texas A & M University.

The seminar which was attended by Engr. Sherif Nasser, Engr. Qusai Abou Jamous, Engr. Julius Apostol, Engr. Amr Galal and Engr. Osama Fouda was highly informative highlighting latest sustainability trends on facilities management to lean construction in Qatar. The workshop proper followed thereafter with the objective to identify the current sustainability activities along with the associated improvements to be done for a more sustainable future.



JTC Al Khor Camp Goes Green



Park with flourishing garden inside Al Khor Camp.

JTC prides itself for having its own Labor Camp in Al Khor with continual beautification and improvement programs through the initiative of Mr. Ahmed Nassar, JTC HR Manager. From a bare land area of 195 m² x 204 m² with only the main camp amenities and porta cabins that make up 566 rooms, the Labor Camp has now recreational fields for football, volleyball, basketball and a park with flourishing garden. Subcontracting restaurant and supermarket are now available for all JTC employees in camp. Designated smoking area, installation of interlocking blocks in the streets and painting of doors and windows are also provided within the camp premises.

Aside from the mentioned beautification and improvement in the Al Khor Camp, HR Department applied the same program in the other camps. Notable improvements are planting more than 300 trees in Al Khor, Zikreet & Sanaiya-41 Camps including installation of television, sofa and dining sets for all staff accommodated in Najma, Al Khor & Dukhan Villa.

The latest program expected to materialize this year is the installation of a Sewage Treatment Plant (STP). The treated sewage water will be utilized for irrigation and cleaning purposes. This project is a long-term,

cost-effective alternative to subcontracting external parties in removing sewages and for using delivered potable/sweet water for irrigation or cleaning purposes. This project is estimated to help save the company of around QR 5M per year. The HR Manager proposed this to the top management, and got their approval during the last quarter of 2012.

Al Khor is one of the major cities in Qatar and it is located in the northeast coast of Qatar, around 50 kilometers from Doha (capital). The JTC camp is a 5-minute ride (approximately 2 kilometers) from the Al Khor center. The occupants are skilled and unskilled workers from JTC Project Sites 201, 202, 301, 110, 112, and also workers from Maintenance, Main Warehouse, and PMV.

To inaugurate the recreational fields, JTC celebrated the first Qatar Sport's Day (2nd week of February 2012) in the Al Khor Camp, with friendly football and volleyball tournaments. The winners received trophies and cash prizes from the management.

Aside from the Al Khor Camp, JTC has other 4 Labor workers' Camps (Zekreet, Camp 31, Camp 41, and Fahahil) and 4 Staff Accommodations (Dukhan Flats, Najma Flats, Ghanim Flats, and Al Khor Villa). As of this date, a total of 3,126 employees avail of the accommodation provided by the company.



Newly built football field.



View of Al Khor Camp Park.



Flourishing garden in Al Khor Camp Park.

BECHTEL awards JTC as NDIA's Most Improved Contractor for Quality



Certificate presented by Ms. Charity Grano and Mr. Brian Sedar was received by Engr. Sherif Nasser together with Engr. Mamdoh Mohamed, Engr. Beshoy Hanna and Mr. Nicholas Orfanos.

Overseas BECHTEL Incorporated (OBI) awarded Al Jaber Trading and Contracting Company W.L.L. (JTC) as the Most Improved Contractor for New Doha International Airport's (NDIA), Airlines Operations Facilities Project. OBI formally awarded the certificate during NDIA's project quality monthly meeting held on November 29, 2012 in NDIA project office for the previous month achievements.

The certificate was presented by OBI Resident Engineer and Quality Manager. OBI Project Director (Mr. Brian Sedar) warmly greeted JTC project management team; Engr. Mamdoh Abdulhafiz (Project Manager), Engr. Sherif Nasser (Corporate Quality & Development Manager), Engr. Beshoy Hanna (Construction Manager) and Mr. Nicholas Orfanos (QA Manager).

The prestigious award for Site 202 (Contract Package CP-65) is in recognition to the continuous quality improvements and full commitment of project team for their continuous efforts to ensure customer satisfaction and achieving the quality excellence.



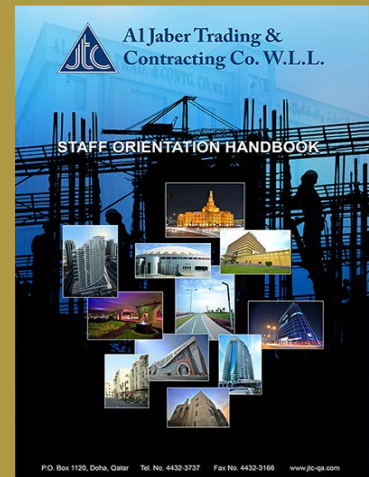
JTC Conducts Internal Audit

Quality Department conducted the half annually internal audit with the objective to ensure effective implementation for the integrated management system of Al Jaber Trading and Contracting Company W.L.L. (JTC).

The regular internal audit for corporate management system is in line with the corporate procedures as required by ISO 9001, 14001 & OHSAS 18001. The management system audit has been conducted as per approved audit plan and schedule covering Planning, Purchase/Logistics, Tender, Procurement, PMV, Human Resources, HSE, Development, Cost Control, Contracts and Accounts Departments. Sites 202, 301 and 302 were audited as well. The audit team was chaired by Mr. Mohamed Cheikhrouhou (Head of QHSE Audit Section). The audit team composed of Mr. Victor Macanip (QHSE Main Auditor) and Mr. Xerxes Aguiluz from HSE Department. The internal audit formally commenced on December 15, 2012 and closed on January 3, 2013.

Observations and opportunities for improvements were raised and issued to all auditees. Audit follow-up and Verifications for corrections and corrective actions are on progress for all audit findings.

Revised Orientation Handbook



Last December 2012, HR released the revised Staff Orientation Handbook (OHB-001, Rev.003) integrating the updated HR Policies and Procedures (P&P). Though the handbook contains only the P&P highlights, the statements were carefully selected to guide the new hire during the on-boarding stage until the completion of the probation period. Unlike the previous editions, this Handbook contains details and ID photos of the Management which will ease new hires' familiarization. The Handbook was prepared by Mrs. Dorily Macaraeg and Mrs. Janet Erece. This is distributed and discussed to the new staff during the orientation program conducted by Mrs. Portia Johanna Duran, the new Recruitment In-Charge.





Engr. Bashar Nimry
Executive Director

HR Develops Employee Compensation and Benefits Program



Mr. Ahmed Nassar
HR Manager

With the initiative of the Human Resources Manager, Mr. Ahmed Nassar, the developed comprehensive compensation and benefits program was presented to and approved by the management last 8th of November 2012.

The program was embodied in the Compensation and Benefits Policy (HRD-POL-010) which contains

comprehensive guidelines in the administration of direct and indirect compensation provided to the employees. Areas covered in the policy include: A) COMPENSATION: Salary Structure, base pay, overtime pay and subcontract "per piece" pay; B) BENEFITS which are broken down to: 1) Accommodation; 2) Transportation; 3) Communication; 4) Contractual Leave and other paid leave days; 5) Financial Loan; 6) Health Insurance; 7) End Of Service Gratuity; and 8) Incentives like attendance rewards. The policy also contains details concerning administration of payroll and final settlement.

Entrusted to handle systems and applications related to Compensation and Benefits is Mr. Sandip Kumar Bhattra who had been with the company for more than 10 years.



Revised Leave Policy

The allowed minimum annual leave and limited sick leave in a year were two of the highlights in the revised Leave Policy (HRD-POL-006, Rev.01) which was approved by the Management on the 2nd of January 2013.

As per the revised policy, staff employees are allowed minimum 21 days for their annual leave, regardless if the leave is to be taken overseas or locally.

This is to give emphasis in properly managing employees' leave through the Annual Vacation Plan. In line with this, any change from the approved date has to be approved by the Operations Manager (Departments) and the Projects Manager (Sites).

All employees are given 2 weeks of consecutive or 14 non-consecutive paid sick leave days in a year, provided that medical certificate is provided. Half day salary will be paid after the 2nd week but not more than 4 weeks more.

More considerations were provided to the Bereavement Leave. From 3 paid days overseas leave, bereaving employees may take 3 paid days local leave or 5 paid days overseas leave.

Widowed or divorced female employees will also be granted with family ticket, provided that their children are residing in Qatar, with Residence Permit under her sponsorship.

Salary Grade 5 employees may now request to encash their ticket and be included in their contractual leave settlement.

Lastly, Qatar Sports Day is included in the list of public holidays. As per the State of Qatar's announcement, this holiday will be annually celebrated every 2nd Tuesday of February.

Employees' leave is being processed by the Employee Services Officer, Ms. Zheegie Camille Sabino.



HR Updates Company-Wide Job Description

The HR Department conducted Job Analysis to some key positions and poured concerted efforts to update the existing Job Description considering other factors (work contacts, physical effort and work environment, supervisory responsibilities, and KSA - knowledge, skills and abilities) which will be beneficial in the succeeding HR programs like Job Evaluation, Salary Grading, Career Mapping, Succession Planning and Performance Management.

From November 2012 until January 2013, each Manager is given the opportunity to present their Department's Job Description for the review and verification of Engr. Bashar Nimry (Executive Director), Engr. Wajdi Marji (Operations Manager) and Mr. Ahmed Nassar (Human Resources Manager). Verification includes the appropriateness of the job title (name and its importance to the company), alignment/organization restructuring, clarification of scopes and responsibilities to avoid redundancies. The HR Manager, along with the Department Managers, hopes that the finalization of this initiative will pave way to employees' efficiency and productivity, which eventually results to a stronger compensation and recognition programs. Currently, there are 154 comprehensive Job Descriptions formulated.

Mrs. Dorily Macaraeg, HR Generalist is responsible for coordinating with the concerned managers for matters related to developing the JD.



Mrs. Dorily Abubo-Macaraeg
HR Generalist



The Impact of "Rework" on Construction & Some Practical Remedies

BY: ENG. SHERIF NASSER



What is Rework?

Rework is "action on a nonconforming product to make it conform to the requirements" — (reference to ISO 9000:2005 clause 3.6.7).

Rework plagues construction projects, causing problems ranging from longer construction schedules and late delivery to worker injuries and billions a year in lost revenue. In the long term, rework can also affect a construction company's reputation and its ability to attract new business.

Rework happens on every project and the average cost is staggering. The problem of rework has been largely ignored by the construction industry, but tighter profit margins during the recent recession have prompted contractors to look for new ways to shave expenses as well as boost earnings. Preventing, or at least curtailing, rework is one cost-cutting measure embraced by more and more contractors. Those efforts include using processes such as BIM (Building Information Modeling) and lean construction techniques to detect and correct mistakes virtually, as well as common-sense practices such as involving owners, users and other stakeholders throughout planning and construction.

How Much Does Rework Cost?

Rework is a classic example for Internal Failure Costs, a major component of Cost of Poor Quality.

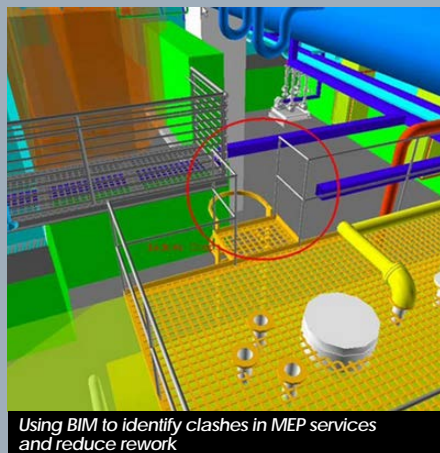
As per recent study of the Construction Industry Institute (CII) in US, Rework costs including labor, materials, equipment and subcontractors—can run from 2% to 20% of a project's total contract amount. That equates to an estimated total of \$15 billion a year. Breaking that down further, the institute found the direct cost of rework averaged 2.4% of total contract value for standard industrial construction projects and 12.4% for civil and heavy industrial projects.

A significant indirect aspect of rework is its impact on a contractor's reputation and, therefore, its ability to attract and keep clients. Companies that used to

participate in invitation-only bids, for example, are often no longer invited to bid.

Why Does Rework Happen?

Common causes of rework include faulty design, inadequate planning, inefficient processes, poor materials, faulty fabrication and too much work done hastily at the end of a project. The combination of more complex construction projects in recent years and



Using BIM to identify clashes in MEP services and reduce rework

fewer available skilled workers, especially where struggling subcontractors are concerned, has been a recipe for disaster and rework. Economic pressures contribute to rework as well.

The data show that Rework often has more than one cause. A recent CII study called "A Guide to Construction Rework Reduction" reveals that the biggest contributor to rework, at (25.4%), is scheduling, followed by issues related to materials and equipment (19%), design and engineering (14.6%) and instruction/monitoring (14.5%). Cutting costs too much can also drive Rework. To save money, for example, some architects and engineers use old designs or templates for new projects, and those designs may have problems that were fixed on a previous job but remain in the original design and are passed along to a new one.

How Can We Minimize or Prevent Rework?

While the construction industry has a history of turning a blind eye to how much rework occurs and how much it costs, more contractors realize the best way to cut that cost is to develop strategies to prevent it. Some contractors track rework costs, but nearly all of them keep those figures confidential. People are sensitive to tracking the cost of rework, and they should be encouraged to report it, and don't look negatively on it.

Contractors can rely more on new technologies, including BIM, to find and fix problems virtually throughout a project's life, so they don't have to be handled on-site. As such, BIM use has skyrocketed in recent years in US—from 17% of architects, engineers, contractors and owners employing it in 2007 to 71% in 2012—according to McGraw-Hill Construction research released in October 2012.

Construction is starting to look more like manufacturing. Lean manufacturing is being extended to Lean construction, which increases the efficiency of construction activities.

Recently, ISO has developed two guidelines standards that help Contractors to minimize rework: ISO 21500 - 2012 (Guidance on Project Management) & ISO 31000 - 2009 (Risk Management - Principles and Guidelines).

Preventing Rework generally comes down to focusing on quality, worker safety and common sense, according to CII findings. "It's just people".

Reference to ENR



Sherif Nasser is the Corporate Quality & Development Manager. He is Certified Manager of Quality for Organizational Excellence (CMQ/OE) by ASQ with sound experience in Quality Management. He has B.Sc. in Civil Engineering and Professional Diploma in

Total Quality Management. He is a Certified Lead Auditor and registered by IRCA for QMS Program.



Al Khor Fly-In flies high



(L-R) JTC's Mr. Mark Santos, Ms. Edna Bautista and Mr. Mohamed Cheikhrouhou greets QCAA officials and guests

The two-day Al Khor Fly-in took off with flying colors where spectators are treated with amazing display of flying light aircrafts in Al Khor Airstrip. Al Jaber Trading and Contracting Company W.L.L. (JTC) participated in the event as proud silver sponsor. The gathering treated aviation enthusiasts the opportunity to take a close up look of all displayed light and micro light aircraft models that came from Doha and neighboring countries. It also provided every family a quality time together with a mix of variety of activities to keep visitors and their children entertained.

One of the popular attractions during the show is the autogyro which also gave chance to selected visitor to fly together with its pilot.

It showcased as well the exhibition of aviation and non-aviations companies which served as gold or silver sponsors for the annual Fly-in.

Mr. Mohamed Cheikhrouhou, one of JTC's representa-



(L) Mr. Mohamed Cheikhrouhou, one of JTC's representatives enjoyed an autogyro fly.

tives enjoyed a fly as co-pilot. "It was an amazing and exciting fly!" he said.

His Excellency Abdul Aziz Mohamed Al-Nueimi, Chairman of Qatar Civil Aviation Authority (QCAA), stated during the event that it is getting better every year since it's launched in 2008 with the aim to introduce aviation to people and make locals to be aware of aviation activities.

Director-General of QCAA, Ali al Malki said that the event helps introduce aviation to youngsters as well as to the general public. "I think the event has great educational value. Those who work in the field of aviation or simply love it will find it particularly interesting. Generally, one needs to have interest in something like aviation to like it", said al Malki who commended the organising committee for its efforts.



JTC flag waves high at the entrance gate of Al Khor Fly-in



JTC launches its Online Networking Sites

Al Jaber Trading and Contracting Company (JTC) W.L.L. registered for online networking services of LinkedIn, Facebook and Twitter by launching its corporate account into these social networking sites. The objective of this corporate online development is to expand the company's network by reaching in and out through the most available online networking sites in the internet.

Development Department is tasked by JTC top management to be the administrator of all newly-created corporate accounts. The administration permission including access on this web account is under development to ensure control of information. Any new and latest developments will be announced shortly in these accounts.

Therefore, we wish you all to be connected anywhere and anytime to JTC.

<https://www.facebook.com/jtc.main>



<http://www.linkedin.com/company/2027063?trk=tyah>



<https://twitter.com/gfB73wtr>



<http://www.youtube.com/channel/UCvjXJ54-Suae-4Y-SCTeWy7LQ?feature=mhee>



JTC Shares in Qatar National Sports Day



JTC participants enjoying a long walk by the Corniche.

Joining the crowd of diverse people on Tuesday 12th February 2013, JTC participates in the Qatar National Sports Day through a Sports Walk headed by the company Employee-Labor Relations In-Charge, Mr. Yasser Arafat. At around 10:00 am, JTC people, vibrant and spruce in their tees, gathered to start the kilometer walk along Corniche. At the meeting point is also a spot where the distribution of blue wrist strap attracted multitude of other health fanatics. This served as a coupon to claim presents at the far end to which long queues awaits incoming partaker. Before taking official strides, JTC poses for the initial group pictorials.

Along the way while heading to the end point, some staffs enjoyed the various gym facilities offered to the public. One can see mixed groups of men, women, children & those with disabilities taking part in the festivity. Fruits and thirst-quenching drinks were given freely by sponsoring companies at their respective booths.

This second National Sports Day was celebrated at different locations in Doha and all of Qatar, including Corniche, Al Refaa, Aspire, Katara, Museum of Islamic Art Park and all sports facilities.

Enthusiasts took advantage of the holiday to participate to football, basketball, tennis, golf, cricket, valley ball and lots of other games.

The values of Qatar's National Vision 2030 was further enhanced by the events at the Qatar Olympic Committee Sports Zone that gave the men and women and even children opportunities to participate on sports.

Families enjoyed the festive events together with funny mascots and thousands of balloons painted the sky up with colorful, spectacular display. Leaving

everyone lots to smile about.

"The National Sports day is a great day which can inspire other country to have as well." said one expatriate.

The Emir Sheikh Hamad bin Khalifa al-Thani promoted the traditional Arab Sport of camel racing. And wide range of events were participated by people from all walks of life.

With people's enthusiasm perhaps unmatched in any part of the world, backed with the government officials such as QOC Secretary General HE Sheikh Saoud bin Abdulrahman al-Thani, Minister of Health HE Abdulla bin Khalid al Qahtani, Minister of Justice HE Hassan bin Abdullah al-Ghanem among other distinguished personalities made the Sports day a great day for family bonding and healthy lifestyle.



JTC participants having fun with fitness facilities.

Al Jaber Trading &
Contracting Co. W.L.L.

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