



ARIES A. JANABAN
PHILIPPINES
HEAD - EHS DIVISION

BUILT TO BE WORLD CLASS

2014 STRATEGIC THRUSTS

"BUILDING TOTAL SAFETY CULTURE"

"0.11" actual vs. 3 or less Major TRIR

"0.54" actual vs. 5 or less Minor TRIR

93.44% actual vs. 93% Compliance Rating

Growth

Deploy qualified EHS personnel to meet the required numbers to fill the 29 new projects to start in 2014

- a. Move up existing qualified Safety Officers to Safety Supervisors
- b. Direct hire Safety Officers
 - Network of EHS Team
 - DOLE Accredited STO (e.g. ASPPI, SOPI etc.)
- c. Cross-post MDC – MDCBP and v.v.
- d. Job Immersion - New hires F.E. to undergo mandatory COSH training and shall be assigned as Site Safety Officer for first 3 months

Margin Improvement

Achieve Safety Target

TRIR

- Major - "0.11" Actual vs. 3 or less
- Minor - "0.54" Actual vs. 5 or less

EHS Scorecard

93.44% Actual vs. 93% EHS Scorecard Compliance Target

People-Based Safety Enforcement Campaign

- B.O.S.S. Slogan
- Safety Posters
- Intensify SMBWA with Operations, QC, and Safety Teams

Ensure IMS re-certification

- Key EHS Personnel as members of ISO Team
- EHS Internal Audits

Enhance Big Brother – Small Brother Partnership

- Secure Certificate of Compliance for the priority Kapatiran Wise TAV enrolled MDC projects and subcontractors
- 2nd Annual MDC EHS Summit

Organizational Development

Build a responsive organization to meet 2014 demand

SQ Boot Camp for PIC

Secure additional DOLE-Accreditation for EHS Personnel

- 10 Safety Practitioners
- 1 Safety Consultant

External EHS Training

GROWTH

40 additional EHS personnel required to oversee EHS program implementation for the remainder of 2014 to augment the current roster of 344

EHS Personnel Requirement

EHS Personnel	Existing	Required		TOTAL
	As of Q2	Q3	Q4	
MDC	299	8	5	312
Build Plus	45	9	18	72
TOTAL:	344	17	23	384

GROWTH

40 additional EHS personnel required to oversee EHS program implementation for the remainder of 2014 to augment the current roster of 344

EHS Personnel Requirement

EHS Personnel	Existing	Required		TOTAL
	As of Q2	Q3	Q4	
MDC	299	8	5	312
Build Plus	45	9	18	72
TOTAL:	344	17	23	384

MDC & Build Plus	Existing	Required		TOTAL
	As of Q2	Q3	Q4	
Safety Consultant	2	-	1	3
Safety Practitioner	31	2	2	35
Safety Supervisor	103	5	6	114
Safety Associate	208	10	14	232
TOTAL:	344	17	23	384

GROWTH

Development of EHS personnel from the ranks + 90% of the total EHS personnel requirements shall be provided through the network of MDC EHS Team

EHS Deployment Plan for new projects to start in 2014

- *Transfer from projected due for completion – to be determined depending on manpower on site*
 - *Hire Area Safety Supervisors per area/province for Land and Houses projects (Build Plus)*

Engagement Strategy for 40 EHS personnel requirement for 2014

- *Move up existing Safety Officers and Nurses to Safety Supervisor level – 28*
 - *Direct Hire of HR through:*
 - *Network of EHS Team (poaching from other company)*
 - *DOLE Accredited STO (e.g. ASPPI, SOPI etc.)*
- } **30**
(Buffer)
- *Cross posting from MDC to Build Plus and v.v.*
 - *Job Immersion - New hires F.E. to undergo mandatory COSH training and shall be assigned as Site Safety Officer. MDCBP COSH training for F.E. To start on August 16, 2014 for 5 consecutive Saturdays.*

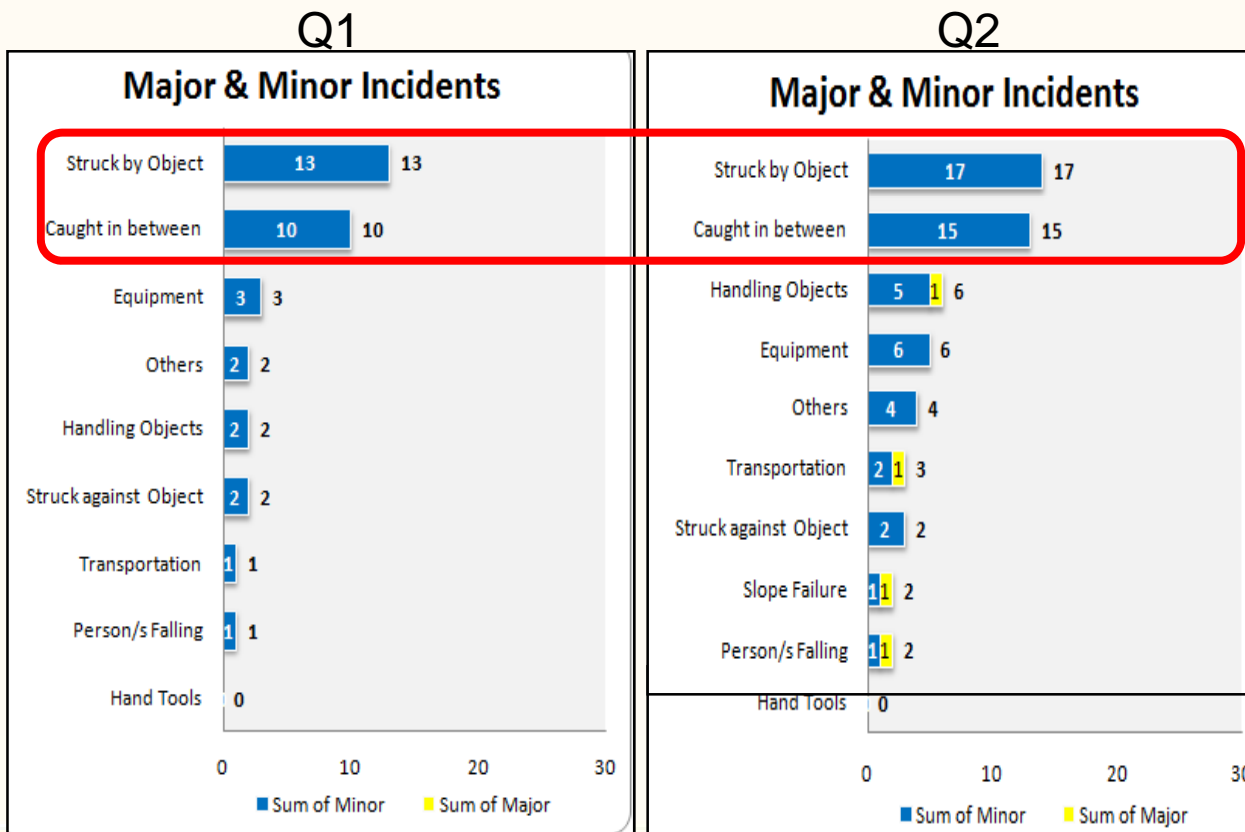


MARGIN IMPROVEMENT

Major and Minor TRIRs of **0.11** and **0.54** respectively are within the threshold limits of 3 or less for Major and 5 or less for Minor

Major – 0.11 **Major Incident** – is a work related incident which results in death, permanent total disability, permanent partial disability or temporary total disability (ex. fracture, amputation)

Minor – 0.54 **Minor Incidents** – are work related injuries which require first aid treatment only (ex. abrasion, scratches)



We have made progress in controlling “Struck by Objects and Caught in Between”

Although “Struck by Objects” is still the top incident, from 13 incidents in Q1, we were able to lower it to 4 incidents this Q2

The same with “Caught in Between”, from 10 incidents in Q1, we were able to lower it to 5 incidents this Q2

MARGIN IMPROVEMENT

TRIR - Accident prevention and hazards control to address Top 3 incidents are focusing on Engineering Control, Administrative Control and proper use of PPE

TOP 3 INCIDENTS	PARTICULARS	ACTION PLANS (Hazards Control & Accident Prevention)		
		Engineering Control	Administrative Control	PPE
1. Struck by/against objects	Stripping works, lifting works	<ul style="list-style-type: none"> Isolation of area (barriers) Additional warning device upon approach (signage, caution tapes) 	<ul style="list-style-type: none"> Operations to assign competent personnel for the task Full Supervision Actual demonstration of safe procedures during toolbox meetings 	<ul style="list-style-type: none"> Workers to properly use prescribed PPE (Hardhat with chinstrap on, hand gloves, safety eyeglass)
2. Caught in between	Equipment handling	<ul style="list-style-type: none"> Install adequate machine guards 	<ul style="list-style-type: none"> Operations to assign competent personnel for the task Actual demonstration of safe procedures during toolbox meetings 	<ul style="list-style-type: none"> Workers to properly use prescribed PPE (latex coated gloves)
3. Handling Objects	Electrocution	<ul style="list-style-type: none"> Isolation of work area (barriers, swing limiter, signage) 	<ul style="list-style-type: none"> Operations to assign competent personnel for the task Full supervision 	<ul style="list-style-type: none"> Workers to properly use prescribed PPE



MARGIN IMPROVEMENT

Average EHS Scorecard for 154 projects is **93.44%** vs. 93% EHS Scorecard Compliance Target

OPCEN		No. of Projects	Average Rating
MDC	Makati 1	7	94.06%
	Makati 2	14	94.85%
	NLOC	15	96.40%
	External	1	94.79%
	BGC - Pasig	29	94.07%
	Alabang	5	95.82%
	SLOC	15	90.01%
	VisMin	18	93.12%
MDCBP	Build Plus	50	87.80%
TOTAL		154	93.44%

MARGIN IMPROVEMENT

EHS Scorecard – General action plan to address compliance deficiency are Pre-Activity Training on Safety for planning (integration with QA’s PATOQ) and SMBWA for site implementation

Top 5 EHS scorecard deficiencies:

PARTICULARS		ACTION PLAN
1	Gen Site Housekeeping and Arrangement	Collaborate with Purchasing on accreditation of additional and capable haulers for back-up. Reiteration on waste management program, incorporate housekeeping schedule on daily activity and delegate supervision
2	Working platform / Railings	Reinforced permitting system. Incorporate planning on materials availability. Opcentralization to address budget constraints issue.
3	Material Storage and Handling - obstructed access areas	Strengthen planning on the lay down areas and logistics layout. Collaborate with QA/QC on reinforcement of the PATOQ system.
4	On-site worker’s barracks (MDC Build Plus)	Revisit site layout plan. Remove/relocate on site workers barracks. Disallow construction of on-site workers barracks in future projects.
5	Personal Protective Equipment - workers using damaged PPE due inadequate stock	Inability of suppliers to supply in bulk orders; collaborate with Purchasing on accreditation of other suppliers. Augment warehouse stocking so as to implement Supply-and-Charge System. <i>(Pre-bid Meeting with PPE suppliers commenced last July 24)</i>



MARGIN IMPROVEMENT

B.O.S.S. Slogan 2'X3' tarpaulins in white background installed at project site conference rooms, site offices and common areas



MARGIN IMPROVEMENT

Implementation of PPE posters with mirror



MARGIN IMPROVEMENT

Appointment of key EHS personnel to ISO Team 2014



MEMO TO : All MDC Employees **Date:** 21 February 2014
FROM : Dante M. Abando, President **Cc:** ISO File/ 201
SUBJECT : New ISO Team Appointment and Organization

In line with our Vision to be the World Class Builder of Choice providing Engineering, Procurement, Construction and Construction Management services to our partners, we are pleased to announce the new ISO Team Organization.

The new ISO Team shall lead our organization in achieving its continuing certification with International Standards on Quality, Environment and Occupational Health and Safety Management Systems. The team shall also focus on process and system improvements towards the empowerment of our Operations Centers.

A. ISO Champions

QEHSOR3	Gibson Ganson	Jeremy Cortez	Rodielyn Aguilar	Corben Indiano	Joel Callao	Jun Asal	Aries Janaban
---------	---------------	---------------	------------------	----------------	-------------	----------	---------------



MDC
Makati Development Corporation

**1st Semester 2014
Internal Audit Schedule**

Team No.	Members	Project / Area / Function	Date
4	ASAL, Jun (TL) ORIT, Cleve SILVA, Gil NIEVERA, Amador * BAUTISTA, Jefferson * TUBAYAN, Bob *	Vertis North Retail Avida Towers Centera Tower 1 **	March 24 March 26



MARGIN IMPROVEMENT

EHS Internal Audit – 100 sites target for 2014 (25 sites/quarter)

Q1 Audited : 41 sites (38 projects and 3 batching plants)

Q2 Audited : 40 sites (31 MDC project and 9 Build Plus)

OPCEN		No. of Projects Audited
MDC	Makati 1	3
	Makati 2	6
	NLOC	3
	BGC - Pasig	7
	Alabang	5
	SLOC	4
MCI	CBP	3
MDCBP	Build Plus	9
TOTAL		40



MARGIN IMPROVEMENT

Kapatiran Wise-Tav Benefits; 1) Compliance to GLS and OSH Standards;
2) Exempted for 2 years site inspection by DOLE



Kapatiran Wise-Tav Monitoring

OPCEN	ENROLLED		PROCESSES						REMARKS
	PROJECTS	SUBCONS	ORIENTATION	ENROLLMENT	MOU SIGNING	CONTRACTORS ENTREPRENEURS WORKSHOP	JOINT ASSESSMENT	FINDINGS CLOSE-OUT	
Makati 1	3	8	√	√	√	√	√	√	
Makati 2	8	19	√	√	√	√	On-process		
NLOC	3	14	√	√	√	On-process			
VisMin	11	27	√	√	√	On-process			
Alabang / Cavite	2	19	√	√	√	√	On-process		
BGC	7	77	√	√	√	√	On-process		
SLOC	14	18	√	√	√	√	On-process		

- Total Projects enrolled: 48
- Total Subcontractors enrolled: 128

Subcons that will obtain Certificate of Compliance may also qualify for Gawad Kaligtasan at Kalusugan (GKK) Award



MARGIN IMPROVEMENT

Organized 2nd EHS Summit to strengthen MDC, Subcons and Government agencies collaboration



**2ND EHS Summit was held last June 25, 2014 at the Occupational Safety and Health Center Auditorium in Quezon City. A total of eighty six (86) MDC Subcontractors attended the 2014 EHS Summit.*

ORGANIZATIONAL DEVELOPMENT

Integration of safety related program workshops to PIC Boot Camp done last May 28 at BGC Active Fun with 29 out of 50 participants (58%)



Makati Development Corporation

SA MDC B.O.S.S. TAYO! BAWAT ORAS SIGURADONG SAFE

Safety & Quality Summit

May 28, 2014 / 8:00AM - 5:00PM
Venue: The Function Rooms, Active Fun, Bonifacio Global City
Speakers: Aries Janaban, Rodielyn Aguilar, Amador Nievera, Joel Soldevilla, Elmer Tadalán & Joel Domingo

QUALITY NATIN PANGAKO NATIN

QUALITY ASSURED

Objectives:

- > Inform the PMs & PICs on the basic safety legal requirements
- > Orient PICs on the QA Framework, ITP Code of Quality Standards
- > Train the PICs to become Life Safety champion and Quality of workmanship advocate.



CORPORATE LEARNING UNIT

HUMAN RESOURCES DIVISION
CLU Direct Lines: (02) 623-0770

Activities

1. Orientation on the new Corporate T.O.
2. Basic Safety Legal Requirements (D.O. 13)
3. 'Attention to Details' Workshop (JHA)
4. Problem Solving & Decision Making Skills on EHS Workshop

ORGANIZATIONAL DEVELOPMENT

Increase DOLE Accredited EHS Personnel in addition to existing 2 DOLE Accredited OSH Consultants and 24 DOLE Accredited OSH Practitioners

3 personnel DOLE accredited OSH Practitioners and 1 Health Practitioner



Reynaldo Mendaros - Anvaya



Randall Reyes – West Tower



Ponciano Ogalesco – Amaia Skies Cubao



Maria Joyce Literal – Amaia Steps Pasig



ORGANIZATIONAL DEVELOPMENT

Participated in external EHS related trainings with a total of 1,744 training hours

TRAINING TITLE	FACILITATOR	PARTICIPANTS	NO. OF HOURS	Inclusive Dates
First Aid Basic Life Support	PNRC QC Chapter	15	120	April 28, 2014
Construction Safety Training	DOLE OSHC	15	120	May 14, 2014
High Angle Rescue Training	MMDA	15	360	May 14-16, 2014
First Aid Basic Life Support	PNRC Pampanga Chapter	16	640	May 19-23, 2014
Electrical Safety	Meralco	33	264	May 23, 2014
Elevator Safety	International Elevator and Equipment Inc.	15	120	May 23, 2014
PPE Awareness	Hi Safety Suppliers Inc.	15	120	June 2014
TOTAL		124	1,744	

Awards and Recognitions - MDC consistently receives recognition from government and private organizations for its remarkable safety achievements

	PARTICULARS	PROJECT	AGENCY	DATE
1	Award of Commendation (10% reduction in frequency rate)	VISMIN 1 project	Safety Organization of the Philippines, Inc.	April 25, 2014
2	Award of Merit (1 Million Safe Man-Hours without Loss Time Accident)	MAKATI 1 1 project		
		NLOC 3 projects		
		BGC 4 projects		
		SLOC 5 projects		
		VISMIN 3 projects		
		Batching Plant 1 project		
3	Perfect Safety Record (One Year Without Loss Time Accident)	MAKATI 1 1 project	Safety Organization of the Philippines, Inc.	April 25, 2014
		MAKATI 2 4 projects		
		NLOC 2 projects		
		BGC 3 projects		
		SLOC 4 projects		
		ALABANG/CAVITE 1 project		
		VISMIN 1 project		
4	Award of Honor (3 Million Safe Man-hours without Loss Time Accident)	MAKATI 1 1 project	Safety Organization of the Philippines, Inc.	April 25, 2014
		MAKATI 2 2 projects		
		BGC 1 project		
		ALABANG/CAVITE 1 project		
5	Award of Distinction (5 Million Safe Man-hours without Loss Time Accident)	NLOC 1 project	Safety Organization of the Philippines, Inc.	April 25, 2014
		VISMIN 1 project		
6	Award of Excellence (7 Million Safe Man-hours without Loss Time Accident)	NLOC 1 project	Safety Organization of the Philippines, Inc.	April 25, 2014
		BGC 1 project		
7	Champion in Industrial First Aid Competition	Abreeza Residences	Philippine Red Cross	May 7, 2014
8	1st Runner Up in Industrial First Aid Competition	Abreeza Residences	Philippine Red Cross	May 7, 2014
9	Milestone Award	Abreeza Residences	Department of Labor and Employment	May 7, 2014
10	Plaque of Appreciation	Makati Development Corporation	TESDA	June 5, 2014
11	Plaque of Recognition - Industry Tripartite Council - Construction		Department of Labor and Employment	May 2014
12	Certificate of Appreciation	UP Town Mall	Department of Labor and Employment	May 15, 2014
13	Certificate of Recognition - 1M Safe Manhour	Vertis	Makati Development Corporation	April 29, 2014
14	Certificate of Recognition - 2M Safe Manhour	UP NSTP	Department of Labor and Employment	April 29, 2014
15	Certificate of Appreciation	Vertis	Department of Labor and Employment-OSHC	June 27, 2014

EHS INITIATIVES

EHS Mini Library - Started to acquire latest issues of Local and International OSH references for the Mini-Library to be located at MDC Head Office

Description
Local
Occupational Safety and Health Standards (as Amended)
Procedural Guidance for D.O. 13
National Building Code (Latest Edition)
Philippine Electrical Code (Latest Edition)
Fire Code of the Philippines (Latest Edition)
OSHC Training Programs on Workplace Safety and Health
Department Circular No. 1 Series of 2009
DO NO. 53-03 Guidelines for the Implementation of a Drug Free Workplace
DO NO. 73-05 Guidelines for the Implementation of Policy and Program on Tuberculosis
DO No. 102-10 A Primer on HIV and AIDS for Workers and Employments
International
US Army Corps of Engineers Manual (EM 385-1-1)
Scaffolds Safety
Rigging Safety
Crane Safety

EHS INITIATIVES

EHS Mini Library at OpCen Areas - Started to acquire latest issues of Local and International OSH references for the Mini-Library to be located at MDC Head Office



EHS LIBRARY INCLUDES:

Dole Occupational Safety And Health
Standards
Department Order No. 13
Safety Program
Safety Topics For Toolbox
Aspects And Hazards
Project Execution Plan
BLS-First Aid Booklet
Occupational Health Topics

EHS INITIATIVES

A total of 336 blood bags donated to Red Cross during the 1st Blood Olympics friendly OpCen competition



OpCen	Date	Successful Donated Blood
Makati 1	May 31, 2014	112
Makati 2	May 17, 3014	87
NLOC	May 24, 2014	137



EHS INITIATIVES

A wellness program (Run for A Cause) and CSR in one activity; proceeds (Php 17, 210.00) are donated to Home for the Aged in Montalban, Rizal

COG1 EHS
RUN FOR A CAUSE...
Fairview Business Park
April 12, 2014

all proceeds will go to:

ORGANIZED BY:
MDC   **anawim**
Home of Gods Door.

Share a little. Give a lot!



EHS INITIATIVES

A wellness program (Run for A Cause) and CSR in one activity; proceeds (Php 17, 210.00) are donated to Home for the Aged in Montalban, Rizal

Corporate Social Responsibility
Anawim Lay Missions Foundation Inc. Home for the Aged
April 22, 2014



EHS INITIATIVES

A CSR initiative of VisMin, Feeding Program at Mandaue

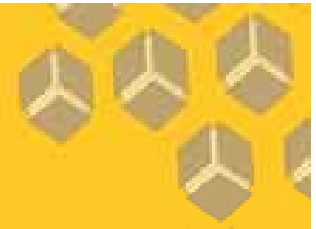


Feeding Program at Mandaue



EHS INITIATIVES

A CSR initiative of VisMin, Coastal Cleaning activity at Cebu



Park Point Res and eBlock Costal Cleaning



EHS INITIATIVES

A CSR initiative of VisMin, Tree Planting Activity at Cebu



In connection of the Arbor Day of DENR Region 7. MDC-eBloc 4 Project conducted a Tree Planting (“Mamalis” a native tree found in the Philippines *characterized as high in carbon absorption; and high emission of oxygen*) @ Brgy. Bondo, Oslob Cebu.

eBlock 4 Tree Planting



Mamalis



EHS INITIATIVES

EHS COG 1 Team Building



EHS COG 1



EHS INITIATIVES

Best Practices Implemented



Fabrication shop was provided proper ventilation



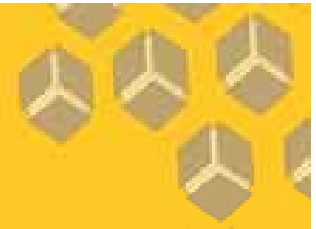
Electrical Safety



Walkway

EHS INITIATIVES

Best Practices Implemented



Maynilad actual sampling of potability test. Done last June 3, 2014



VOLT ALERT device to test whether electric current is present on materials that can be an electric conductor (e.g. Wire, metal, water.)

EHS INITIATIVES

Best Practices Implemented



Mirror of Unsafe & safe Worker



EHS Orientation Template on the rack



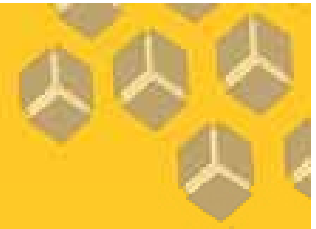
Orientation Guidelines for new workers

EHS INITIATIVES

Best Practices Implemented

Fabrication of Fire Extinguisher stand, Basket, Wire stand and Electrical Panel.





Thank You!