

MIRADA A LA PREVENCIÓN

ARABIA SAUDI

METRO DE RIYADH



METRO DE RIYADH

NOMBRE DEL CONSORCIO: FAST

SOCIOS: FCC, SAMSUNG, STRUCTON, ALSTON, TYPSA, SETEC

PRESUPUESTO 6,000 MILLONES DE EUROS

3 LÍNEAS DE METRO

65 KM

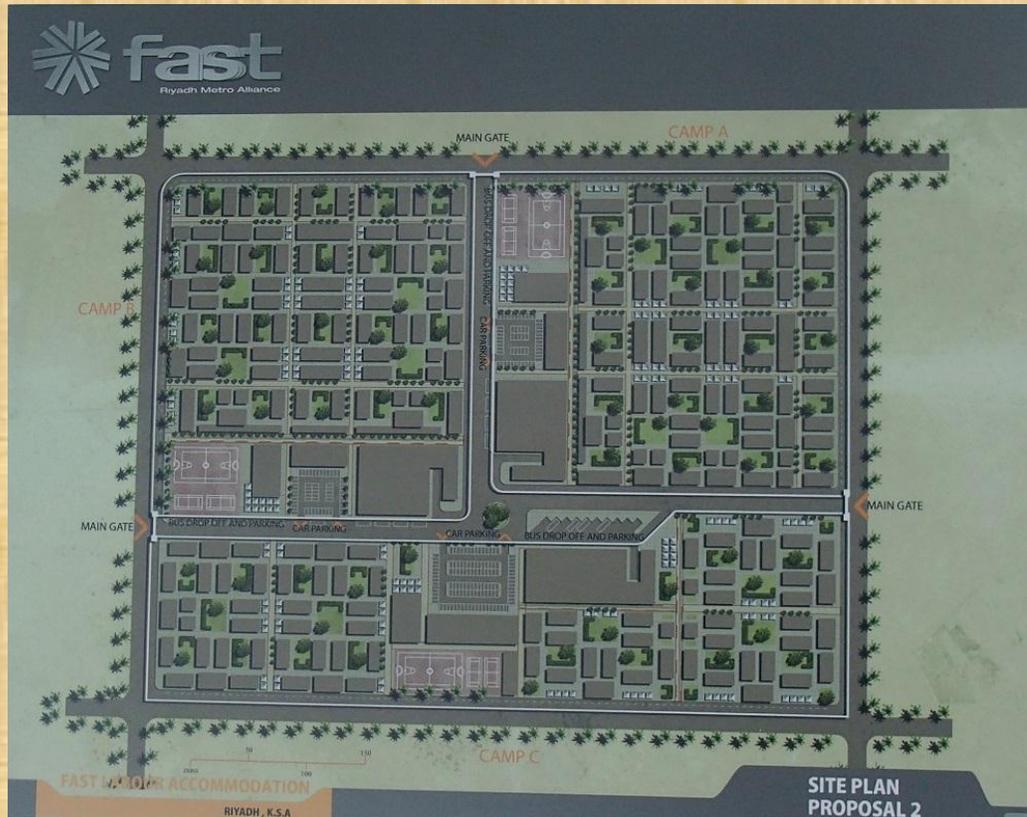
MUCHAS NACIONALIDADES: ARABIA SAUDÍ, HOLANDA, KOREA, FRANCIA, SUDÁN, SRI LANKA, INDIA, PAKISTÁN, PORTUGAL, INGLATERRA, QATAR, TURQUÍA, EMIRATOS, IRLANDA, ESPAÑA, ...

IDIOMA: INGLÉS



SISTEMA LABORAL SAUDÍ (I)

LAS EMPRESAS DEBEN FACILITAR ALOJAMIENTO Y MANUTENCIÓN A SUS TRABAJADORES. (Temporary labour accommodation)



SISTEMA LABORAL SAUDÍ (II)



SISTEMA LABORAL SAUDÍ (III)

SI SE CONTRATA A UN TRABAJADOR EXTRANJERO LA EMPRESA SE TIENE QUE RESPONSABILIZAR DE ÉL Y FACILITARLE EL VUELO DE VUELTA A SU PAÍS CUANDO EL CONTRATO CON LA EMPRESA FINALICE.

ES LA EMPRESA LA QUE AUTORIZA AL TRABAJADOR A SALIR DEL PAÍS MEDIANTE LA TRAMITACIÓN DE UNA VISA.

SISTEMA LABORAL SAUDÍ (II)

EL TRANSPORTE A LA OBRA TAMBIÉN ES FACILITADO POR LA EMPRESA.



LEGISLACIÓN SAUDÍ

ENTRE EL 15 DE JUNIO AL 15 DE SEPTIEMBRE ESTÁ PROHIBIDO TRABAJAR EN EL EXTERIOR ENTRE LAS 12,00 A LAS 15,00



RAMADAN

NO SE PUEDE COMER DESDE LA SALIDA DEL SOL HASTA LA PUESTA

TURNOS DE NOCHE

DOS SISTEMAS TOTALMENTE DIFERENCIADOS:

1. **OBRAS CON COMPAÑÍAS CONSTRUCTORAS LOCALES SIENDO LA PROPIEDAD EMPRESAS DE PEQUEÑA ENTIDAD**
2. **OBRAS CON COMPAÑÍAS CONSTRUCTORAS EXTRANJERAS Y LA PROPIEDAD EMPRESAS DE GRAN ENTIDAD**

PRIMER CASO:

EL NIVEL DE PREVENCIÓN EN ESTAS OBRAS ES NULO, A TODOS LOS NIVELES, USO DE EPI'S, PROTECCIONES COLECTIVAS...





SEGUNDO CASO:

SE USA EL SISTEMA DE GESTIÓN DE LA PREVENCIÓN INGLÉS

¿QUÉ QUIERO DECIR CON ESTO?

LA DOCUMENTACIÓN EXIGIDA AL PREVENCIÓNISTA ES EL TÍTULO NEBOSH (NATIONAL EXAMINATION BOARD IN OCCUPATIONAL SAFETY AND HEALTH)

LA TITULACIÓN EN PREVENCIÓN DE LA LEGISLACIÓN EUROPEA NO ES RECONOCIDA

EL NOMBRE DEL PUESTO ES HSE (MANAGER, INGENIERO..)

HS = HEALTH AND SAFETY

E = ENVIRONMENT

**CONTRARIAMENTE A LO QUE OCURRE EN
ESPAÑA QUE LA CALIDAD Y EL MEDIO AMBIENTE
VAN UNIDOS.**

PREVENCIÓN

SU FUNCIÓN ES ASESORAR Y DE APOYO A CONSTRUCCIÓN.

IMPARTE FORMACIÓN, REALIZA INFORMES DE SEGUIMIENTO, INVESTIGACIÓN DE ACCIDENTES, LECCIONES APRENDIDAS, ETC.

NO HAY BRIGADAS DE SEGURIDAD

**LA EJECUCIÓN DE LA PREVENCIÓN EN OBRA ES
COMPETENCIA DE CONSTRUCCIÓN**

PREVENCIÓN

IMPORTANTE DENTRO DE LA OBRA

IMPLIQUE “DE VERDAD” A TODOS LOS PARTICIPANTES.

QUE TODO EL QUE ENTRE EN OBRA SEPA LA CONCIENCIACIÓN QUE EXISTE





PREVENCIÓN

RECONOCIMIENTOS Y PREMIOS A LOS TRABAJADORES ENTREGADOS POR LOS RESPONSABLES DE OBRA



METHOD STATEMENT

PROCEDIMIENTO DE TRABAJO QUE SE ELABORA POCO ANTES DEL INICIO DE UNA ACTIVIDAD.

¿QUIÉN LO ELABORA? PRODUCCIÓN

CONTENIDO

PRODUCCIÓN - Cómo se va a ejecutar, Equipo de Trabajo, tanto humano como material, planos, nombre del personal técnico implicado con teléfonos de contacto, organigrama, responsabilidades.

CALIDAD – Controles y ensayos necesarios

MEDIO AMBIENTE

PREVENCIÓN – Evaluación de riesgos de la actividad

EVALUACIÓN DE RIESGOS

	Risk Assessment	Form-050 Rev. : 0
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Risk Assessment Title:		LIFTING OPERATIONS					Risk Assessment				
Revision:											
Item	Hazard	Risk	Who is at Risk	Risk Rating			Necessary Control Measures	Action By	Residual Risk Rating		
				S	F	Rating			S	L	Rating

4	Traffic	Collision while reversing	Public, Staff, Labour	3	3	9	Ensure all reversing vehicles are controlled by a trained and competent banks man. Ensure routes are checked before reversing. All mobile plant should be fitted with an audible reverse alarm. Where practicable safety cones and plastic chain should be erected around the reversing area.	Logistics Manager Banksman Driver	3	1	3
5	Traffic	Collision at night	Public, Staff, Labour	3	3	9	Ensure adequate access lighting is installed and maintained on main road ways. Ensure all vehicle and plant lights are in good working order and used at night. Restrict vehicle movement at night Unloading should be carried out in well-lit and restricted areas.	Logistics Manager / Supervisor Banksman	3	1	3
6	Traffic	Overturning	Public, Staff, Labour	2	2	4	Ensure vehicles stay on the designated access roads and do not take shortcuts over the sandy areas. If unloading materials using a forklift ensure the ground is level. Ensure roads are maintained and free from potholes.	Supervisor Banksman	2	1	2
7	Traffic	Contact with people or pedestrians	Public, Staff, Labour	3	3	9	Ensure adequate pedestrian accesses are installed that give pedestrian right of way. Where possible post a flagman to control vehicle and pedestrian movement. Construct speed humps in areas where pedestrians need to cross. Implement designated pedestrian routes with barriers to segregate the pedestrians from vehicle movement. Ensure operatives are equipped with High Visibility Vests so they can be easily seen by the drivers.	Logistics Manager / Supervisor Banksman	3	1	3
6	Lack of welfare and medical facilities	Preventable fatalities due to lack of first aid skills and equipment	General site workers General site staff Site visitors	3	3	9	Where local regulations require a different standard to that set out in the FAST SWP 001, the higher standard shall be implemented	PM	3	1	3

Prepared by:	✓
PM – Project Manager	<input type="checkbox"/>
CM – Construction Manager	<input type="checkbox"/>
SM – Site Manager	<input type="checkbox"/>
LM – Line Manager	<input type="checkbox"/>
MSEM – HSE Manager	<input type="checkbox"/>
SS – Site Supervisor	<input type="checkbox"/>
SC – Sub-Contractor	<input type="checkbox"/>

Severity (S)	Frequency (F)
1 Minor injury	1 Improbable
2 Major single injury	2 Possible
3 Major multiple injuries	3 Occasional
4 Single Death	4 Frequent
5 Multiple Deaths	5 Regular

Risk Rating (RR) R = S x F
Unacceptability Limits More than 5 is unacceptable re-assess task and preventive actions.
5 = 0 is deemed to be the limit of practicality of control measures.

	Very High 15-25	High 8-12	Medium 4-6	Low 1-3
S\F	5	4	3	2
5	25	20	15	10
4	20	16	12	8
3	15	12	9	6
2	10	8	6	4
1	5	4	3	2

FORMACIÓN E INFORMACIÓN

SAFETY INDUCTIONS (I)

CHARLA DE UNA HORA Y MEDIA DE DURACIÓN IMPARTIDA A TODOS LOS TRABAJADORES ANTES DE ENTRAR A TRABAJAR EN LA OBRA.

SE DEJA CONSTANCIA ESCRITA DE LA CHARLA.

EL TRABAJADOR PEGA A SU CASCO UNA PEGATINA JUSTIFICANDO LA ASISTENCIA A LA CHARLA

SIN LA PEGATINA EL TRABAJADOR NO PUEDE ENTRAR A LA OBRA



SAFETY INDUCTIONS (II)



**HSE SITE SAFETY
INDUCTION
Module # 1**



1

SAFETY INDUCTION PROGRAM

- A. Information
- B. Health and Safety Management System
- C. Basic Work Requirements for All Sites
- D. First Day at Work
- E. Site Emergency Facilities
- F. Emergency Locations
- G. Safety Training and Promotional Activities
- H. Responsibilities of Site Management
- I. Drug and alcohol Policy
- J. Climatic Condition
- K. First Aid in Heat Related Illness
- L. Site Rules and Regulations
- M. Hand and Power Tools
- N. Working at Heights
- O. Scaffolding
- P. Lifting Equipment's and Operations
- Q. Excavations

TOOL BOX MEETING

CHARLAS SOBRE PREVENCIÓN DE UNOS 10 MINUTOS DE DURACIÓN IMPARTIDAS TODOS LOS DÍAS AL INICIO DE LA JORNADA.

LOS TEMAS SON VARIADOS: CAÍDAS DE ALTURA, RIESGOS ELÉCTRICOS, ETC.

SE DEJA CONSTANCIA ESCRITA

WARM-UP EXERCISE



SAFETY FIRST



CARTELES Y SEÑALES

MÍNIMO EN CUATRO IDIOMAS: INGLÉS, ÁRABE, HINDI Y URDU



Drivers Induction Form

1. You may only enter a FAST site if you have a valid license/permit for the vehicle you are intending to drive/operate
2. Uniform must be worn at all times and personal protective equipment (PPE) must be worn when outside of the vehicle. The minimum requirements are steel toed safety shoes, hard hat and fluorescent vest



Drivers Induction Form

إذا كان لديك ترخيص ساري المفعول / رخصة للسيارة كنت تنوي قيادة FAST يمكنك فقط إدخال موقع / تشغيل / يجب أن ترتديه عند (PPE) يجب ارتداء الزي الرسمي في جميع الأوقات ومعدات الحماية الشخصية الخروج من السيارة. الحد الأدنى من المتطلبات هي أحذية السلامة الصلب الأصابع ، وقبعة الثابت و سترة الفلورسنت



Drivers Induction Form

क्या आप काम करते हैं / ड्राइव करने के लिए इच्छुक हैं वाहन के लिए एक वैध लाइसेंस / परमिट अगर कहां केवल एक फास्ट साइट में प्रवेश कर सकते हैं

वर्दी हर समय और व्यक्तिगत सुरक्षा उपकरण (पीपीई) में पहना जाना चाहिए वाहन के बाहर जब पहना जाना चाहिए . न्यूनतम आवश्यकताओं इस्पात पंजे सुरक्षा जूते , हार्ड हैट और फ्लोरोसेंट बनियान हैं तेजी साइट पर अनुमति नहीं है. गति सीमा चिन्ह पालन किया जाना चाहिए . केवल निर्दिष्ट क्षेत्रों में पार्क . तुम संदेह में हैं अगर एक साइट पर्यवेक्षक पूछना



Drivers Induction Form

آپ کو آپ کے کام / ڈرائیو کرنے کا ارادہ کر رہے ہیں، گاڑی کے لئے ایک صرف ایک روزہ سائٹ میں داخل کر سکتے OU درست لائسنس / اجازت نامہ ہے تو ہیں

میں پہنا جائے ضروری ہے (PPE) وردی تمام اوقات اور ذاتی حفاظتی آلات حفاظت toed گاڑی کے باہر جب پہنا جائے ضروری ہے . کم از کم ضروریات سٹیل جوتے ، مشکل کی ٹوپی اور فلورسٹ بنیان ہیں تیز رفتار ویب سائٹ پر اجازت نہیں ہے . رفتار کی حد نشانیاں پر عمل کیا . جانا چاہیے

MAQUINARIA (I)

Mobile Plant & Vehicles	Operator Requirements		Mobile Plant & Vehicle Requirements	
	National Driving License	Training / Certification	Road License / Registration	Inspection / Certification
 <p>Back-Hoe Loader</p>	Required (if used on public roads)	Valid 3 rd Party Operator Assessment	Required	12 monthly Assessment
 <p>Hydraulic Excavator</p>	N/A	Valid 3 rd Party Operator Assessment	Not Required	12 monthly Assessment
 <p>Wheeled Excavator</p>	Required (if used on public roads)	Valid 3 rd Party Operator Assessment	Required	12 monthly Assessment

MAQUINARIA (II)



BUREAU VERITAS
ATTESTATION OF EQUIPMENT INSPECTION

Certificate No.: 7885	Inspection Date: 26-05-2014
Bureau Veritas Project No.: INY.14.00162	Inspection Location: RIYADH
Bureau Veritas Client: Al-Sahq Al-arabi Co- Client P.O.No.: N/A	Inspection Time: 03:30 PM

Description of equipment

Owner's Tag No.: SC-B02 SATC	Manufacturer: CAT
Model: 216B2	Type: Sked Loader
Serial No.: CAT0216BTRLL09811	
Previous Sticker No.: N/A	Issued By: BUREAU VERITAS

SCOPE OF INSPECTION
DESCRIPTION OF TEST AND EXAMINATION
(1)
Thorough Visual examination
Functional and Test

The undersigned inspector to Bureau Veritas Saudi Arabia, confirms that the here above mentioned Equipment was inspected according to the aforementioned scope of inspection and standards and that the results are as below

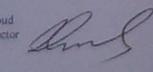
INSPECTION RESULTS

Standards Applied: ASME	Results: POSITIVE	New Sticker No.: 27885 Sticker Expiration Date: 25-11-2014
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Deficiencies that require action are listed below. Corrective actions taken shall be faxed to Bureau Veritas prior revisit is undertaken

DEFICIENCIES	CORRECTIVE ACTIONS TAKEN
N/A	N/A

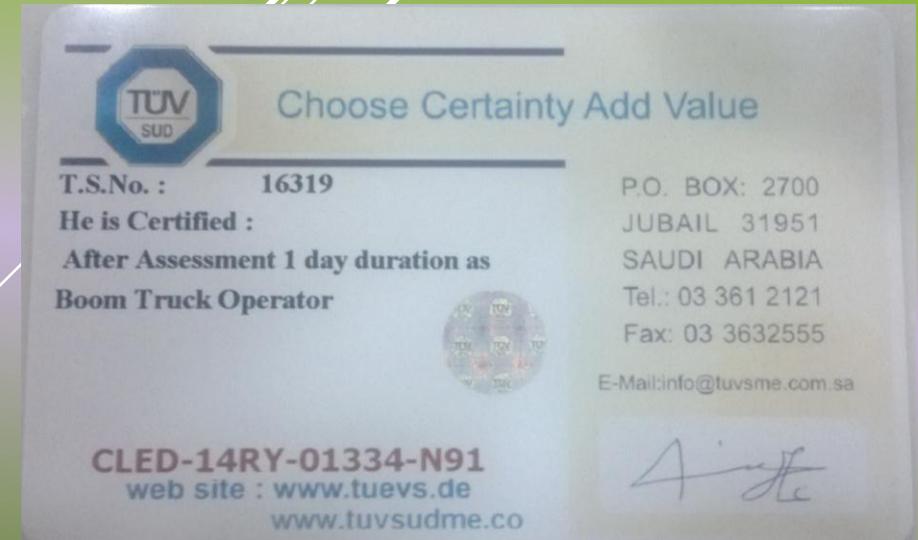
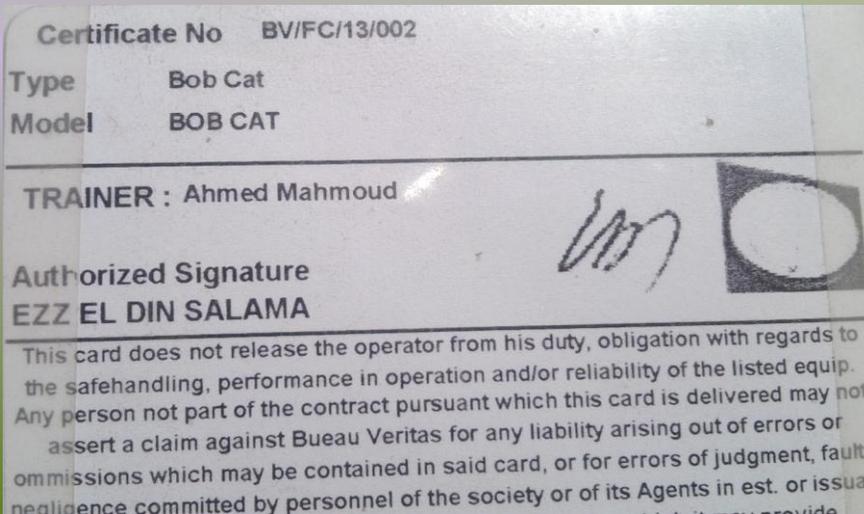
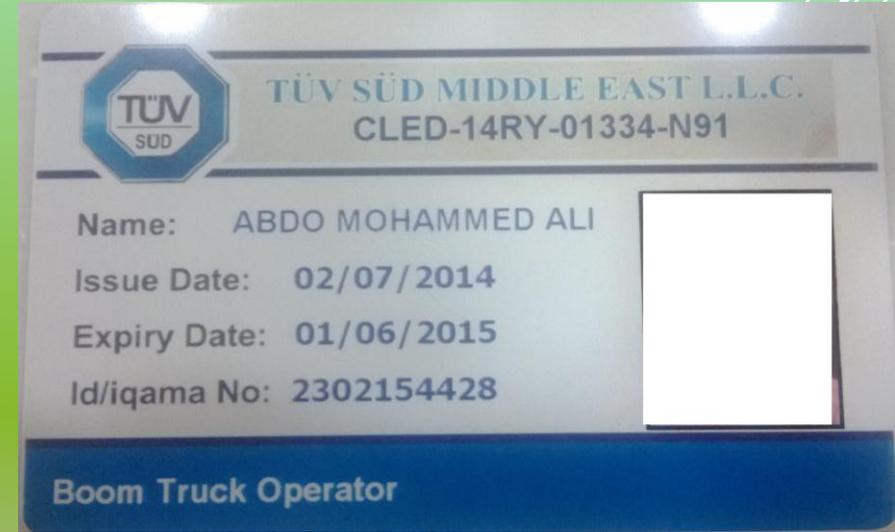
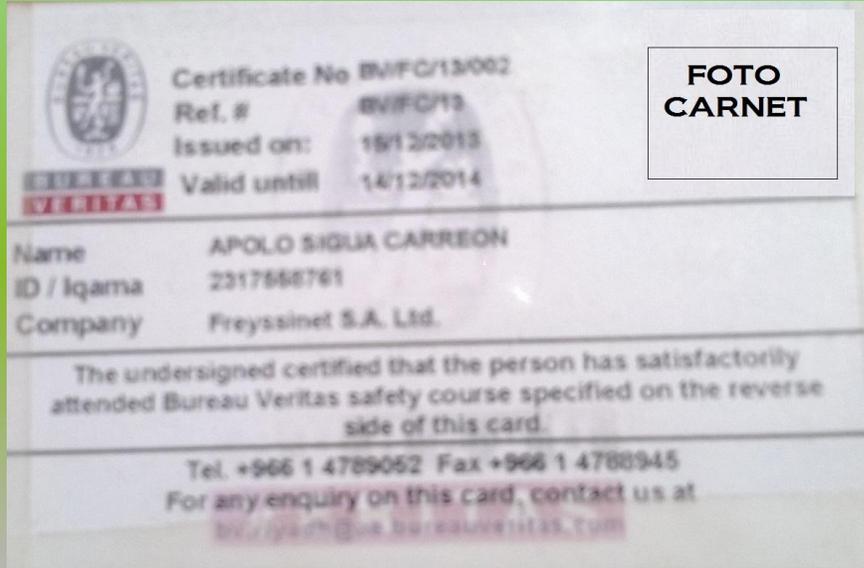
Inspected by:
Ahmed Mahmoud
Industrial Inspector




Bureau Veritas
Central Region, P.O. Box
18245, Riyadh-11415,
Kingdom of Saudi Arabia
Tel: (+966-11)
2016800/2016977
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MAQUINARIA (IV)



MAQUINARIA (V)

	Excavator Safety Checklist	Form-134
		Rev. : 0

PJT site: _____ Subcontractor: _____ Register No.: _____ Inspection date: _____



no.	part item	inspection method	M	T	W	Th	F	S	inspection photo
①	Safety lever	Lever shouldn't have any deformation and when lever is pulled, all operation should be stopped							
②	Operators Induction form	Operators Safety Induction Form should be signed by the operator.							
③	Controller / brake	Controller, clutch and brakes should work fine and seat belt needs to be attached							
④	Hydraulic device and cylinder	There shouldn't be any leakage, damage and abrasion on hydraulic motor, cylinder and pipes							
⑤	Slewing device (Turn table)	Fixing bolt of slewing device should have abnormalities like loosened part							
⑥	Track & Wheel(Tire)	Track or wheels (tire) should not have any problems such as cracks, deformation or damage							
⑦	Counter weight	Do not add extra weights and connection status of fixing bolts and nuts should be fine							
⑧	Bucket & Screens	Use standard bucket, safety pin should be properly installed. All screen curtains & view obstructions should be removed operators cabin.							
⑨	Lamps & Alarms	Reverse Alarm ,Beconlights,Head, rail, fog, mars light should work normally.							
⑩	Other safety device	Side footboard , protection facility for driver's seat, limit switch for crash protection should be in safe condition							
Inspector Site Engineer		Name: _____	(signature)						

	MEWPs Safety Checklist	Form-132
		Rev. : 0

PJT site: _____ Subcontractor: _____ Register No.: _____ Inspection date: _____



no.	part item	inspection method	M	T	W	Th	F	S	inspection photo
①	Emergency stop device	Power is cut when button is pressed and it should only be manually controlled							
②	Emergency descent device	Instruction should be attached and even without power, platform should be able to descend if controlled.							
③	Overload limiter	When overloaded, the operation will stop with alarm sound							
④	Track, wheel(tire)	There shouldn't be any crack on track or wheels. Slope and uneven surface should not be on track							
⑤	Foot switch	Lever should only work when it is covered with foot switch being pressed							
⑥	Lever	Operation should not be done when a platform is slanted and clear operation status should be showing							
⑦	Warning light and alarm	Light and alarm should work when it is on operating, ascending, descending							
⑧	Crash prevention	Limit switch or bar for crash prevention should be installed and normally operated (more than 2, 60cm above the fence)							
⑨	Platform	When expanding a platform, indicate info such as weight limit, capacity and fixing pin status							
⑩	Hydraulic device/ cylinder	There shouldn't be problems like leakage, damage or worn-out on hydraulic motor, cylinder, pipe							
Inspector's opinion									
Inspector Site Engineer		Name: _____	(signature)						

ESTROBADOR DE CARGAS





ucción

PEQUEÑA MAQUINARIA

CONTROL DE MAQUINARIA CON CINTA AISLANTE



FAST's Inspection Color Code (Riyadh Metro Project)		
Quarter	Months	Color
Q#: 01	January	Green
	February	Red
	March	Yellow
Q#: 02	April	Blue
	May	Green
	June	Red
Q#: 03	July	Yellow
	August	Blue
	September	Green
Q#: 04	October	Red
	November	Yellow
	December	Blue

EXTINCIÓN INCENDIOS



**FIRE EXTINGUISHER
INSPECTION RECORD**

EXTINGUISHER NO. _____

2014	2015		2016	2017
		JAN		
		FEB		
		MAR		
		APR		
		MAY		
		JUN		
		JUL		
		AUG		
		SEPT		
		OCT		
		NOV		
		DEC		



INSTALACIONES ELÉCTRICAS



ELECTRICAL SAFETY TEST	
APP I.D.	<input type="text"/>
BY	<input type="text"/>
TEST DATE	<input type="text"/>
NEXT TEST DUE	<input type="text"/>



LESSON LEARNT (I)



28 October 2014

Safe Use of Elevated Work Platforms

Alert #:15



Potential Hazards

- Unskilled Operator
- Outriggers not extended fully
- Uneven Ground
- Poor MEWP Selection
- Sudden movement and Jerks
- Severe weather conditions

If someone is being crushed and can't breathe...

React Immediately!

you only have a few minutes to rescue and resuscitate them
... every second counts!

DO IT SAFELY OR NOT AT ALL!
THERE IS ALWAYS TIME TO DO IT RIGHT!
WHEN IN DOUBT, FIND OUT!



Control Measures

- ▶ Identify competent person
- ▶ Check and verify the ground level and condition
- ▶ Determine weather and climate conditions
- ▶ Check the maintenance record and 3rd party certificates of the vehicle
- ▶ Always keep the outriggers fully extended
- ▶ Assign a flag man/watch man
- ▶ Comply with requirements specified in the safe work procedures and Risk Assessments (RAs)
- ▶ Conduct daily inspections prior to the start of work, after any weather event, and as needed.

Authorised for Issue by:

FAST HSE Director
Andy Fullwood

DO IT SAFELY OR NOT AT ALL!
THERE IS ALWAYS TIME TO DO IT RIGHT!
WHEN IN DOUBT, FIND OUT!

LESSON LEARNT (III)





Date: 28-07-2016
Alert #:69

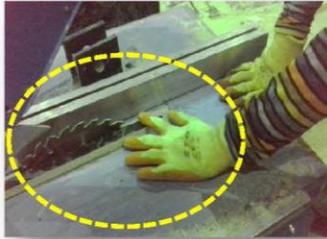
TABLE SAW safety



On 26th July 2016 at 23:20 hours a Medical Treatment Case was recorded involving Table saw. A carpenter was tasked to cut a wooden board to a desired dimension. The IP with his gloves and used his hands to control the wood during cutting. Towards the end of the cutting process, the IP did not realize that his left index finger was very close to the blade. Consequently, the said body part was caught by the blade which had resulted to laceration injury.

GENERAL OPERATING RULES:

- ✓ Before job commences, ensure that pre-task safety briefing is discussed and understood. Ensure that safe work practices are followed.
- ✓ Never operate without all guards in place, especially the blade guard.
- ✓ Be sure you stand in the correct position – always allow for kick back.
- ✓ Maintain good footing.
- ✓ Never allow other workers to work or rest when they are exposed to kick back.
- ✓ Maintain good housekeeping.
- ✓ Never use your hands to run lumber/wood through the blade. Get a push stick.
- ✓ Never use a saw with a dull blade.
- ✓ When you do machine maintenance, make sure the power is disconnected and you control the switch.
- ✓ Don't crowd a blade especially when cross cutting.
- ✓ Don't wear loose clothing around a saw.
- ✓ Always wear eye protection.
- ✓ Be aware of "fly back" (also called kick back) when ripping.
- ✓ Keep the blade set so it just barely makes the desired cut.



ROOT CAUSE ANALYSIS:

- IP failed to use a push stick. The latter was not available.
- Lack of focus.
- Inadequate assessment of hazards and risks.

ENSURE THAT PUSH STICK IS UTILIZED!!!



Figure 3 Push stick









No Push stick / No proper gloves / inadequate work position/footing safety guard is missing

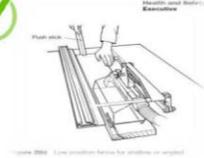


Figure 3B Use position force for stability on height





Date: 21-05-2016
Alert #:62

Falling Objects

What is a Falling Object

"Any object, with the potential to cause death, injury or equipment/environmental damage, that falls from its previous static position under its own weight"

Common Falling Objects:

- Non Secured Hand tools being used at heights
- Hand tools/equipment left behind after working at height
- Bolt / nuts during operations conducted at height
- Equipment mounted at a height that, following contact, vibration or environmental conditions, could fall.
- Temporary unsecured equipment at height
- Debris, flying pieces could hit personnel working on a level directly below the elevated work site
- Loose material on scaffolds
- Tools / material during MEWP activities.
- Fall / drop of material during Lifting operations

Prevention :

- Create awareness in the workplace via Tool box talks, banners & trainings.
- Introduce specific toolkits for working at height.
- Raise overall dropped objects identification and mitigation among the workforce.
- Housekeeping shall be maintained at elevated areas
- Secure tools from dropping to lower levels.
- Erect signage and physical barriers to restrict access before work is conducted overhead.
- Identify and address dropped objects potential.
- Introduce regular dropped objects campaigns.
- Schedule regular Hazard Hunts.
- Introduce area ownership, and hold personnel accountable.
- Add secondary retention, and consider safety systems, such as safety nets.
- Inspect personal protective equipment (PPE) i.e. Helmet, safety harness, lanyard and chin straps.
- Inspect all overhead equipment and locations for loose items that may present a hazard during construction, maintenance & demolition activities.
- Toe board shall be ensured at all levels of elevated work platforms.



Falling Objects Can Be Brutal



If You Don't Protect

Authorized by: Andy Fullwood-FAST HSE Director

LESSON LEARNT (III)

DAN A CONOCER INCIDENTES/ACCIDENTES QUE OCURREN EN LA OBRA Y SOBRE LOS QUE CONVIENE APLICAR MEDIDAS DE CONTROL PARA EVITAR SU REPETICIÓN,

REALIZAR CAMPAÑAS DE CONTROL E INSPECCIÓN SOBRE ACTIVIDADES CON RIESGOS ALTOS QUE SE ESTÁN REALIZANDO ACTUALMENTE EN LA OBRA

**DEBERÍAN DARSE A CONOCER FUERA DE LA OBRA
(A TODA LA EMPRESA)**

DARLAS A CONOCER A TRAVÉS DE LAS TOOL BOX

INDICADORES A CONTROLAR

Monthly Key Performance Indicator											
		KEY PERFORMANCE INDICATOR (KPI)					Form-016		Rev.:03		
		Project Safety Statistics Summary					Rev. Date: 24 03 2016				
							Date		27/09/2016		
PROJECT:		RIYADH METRO ALLIANCE					WEEK		MONTH		YEAR
LOCATION:		FAST Head Quarter & L 04, L 05, L 06					W 04		M 09		Y 2016
WEEKLY AVERAGE MAN POWER											
FAST Over All*		2815									
Sub-Contractors*		6576									
PROJECT AVERAGE MAN HOURS											
ENTITY		WEEK TO DATE			MONTH TO DATE			PROJECT TO DATE			
FAST STAFF		4560			14440			414580			
CJV Labours		86100			272650			7761790			
ENTITY		WEEK TO DATE			MONTH TO DATE			PROJECT TO DATE			
TJV		7320			23180			240190			
TSY		8400			26600			593992			
DJV		1800			5700			356959			
CJV		60720			192280			5682896			
TOTAL		78,240			247,760			6874037			
ENTITY		WEEK TO DATE			MONTH TO DATE			PROJECT TO DATE			
FAST Over All		168,900			534,850			15,050,407			
Sub-Contractors		394,570			1,332,120			27815961			
TOTAL		563,470			1,866,970			42,866,268			
SAFE MAN HOURS SINCE LAST LTI		5,011,423									
LEADING INDICATORS											
		WEEK TO DATE			MONTH TO DATE			PROJECT TO DATE			
Near Misses (NMs)		0			6			152			
Safety Alerts, Promotions and Campaigns		2			4			515			
HSE Awards and Recognitions		0			17			698			
External 3rd Party HSE Trainings (people)		7			17			1,168			
Training inductions completed (people)		389			1,191			36,357			
Specific training sessions completed (people)		857			3,792			59,468			
Tool Box Meetings /Task related HSE Briefings		40,217			135,245			2,806,230			
Safety Inspections (Safety Officers)		601			2,156			44,622			
HSE Manager Inspections		48			139			2,866			
Senior Management Inspections		7			35			397			
LAGGING INDICATORS											
		WEEK TO DATE			MONTH TO DATE			PROJECT TO DATE			
		FAST	Subcontractor	Total	FAST	Subcontractor	Total	FAST	Subcontractor	Total	
RTAs Non-FAST		0	0	0	0	0	0	0	156	156	
Minor	Dangerous Occurrences (D.Os)	1	0	1	1	1	2	2	98	100	
	First Aid Cases (FACs)	0	0	0	1	1	2	31	59	90	
Recordable	Restricted Work Cases (RWCs)	0	0	0	0	0	0	4	2	6	
	Medical Treatment Cases (MTCs)	1	0	1	1	0	1	6	19	25	
	Lost Time Incidents (LTIs)	0	0	0	0	0	0	5	8	13	
	Fatalities (FATs)	0	0	0	0	0	0	0	0	0	
Total no. of Recordable Incidents		1	0	1	1	0	1	15	29	44	
LTIFR		0	0	0.000	0.000	0.000	0.000	0.066	0.058	0.061	
TRIFR		1.184133	0	0.355	0.374	0.000	0.107	0.199	0.209	0.205	

SIMULACROS



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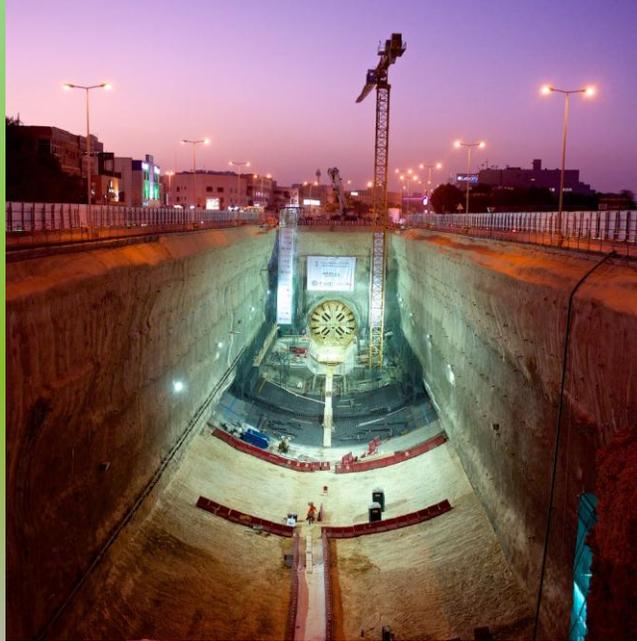
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MUCHAS
GRACIAS
POR SU
ATENCIÓN