

Asiaflex Products Sdn. Bhd.



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Introduction



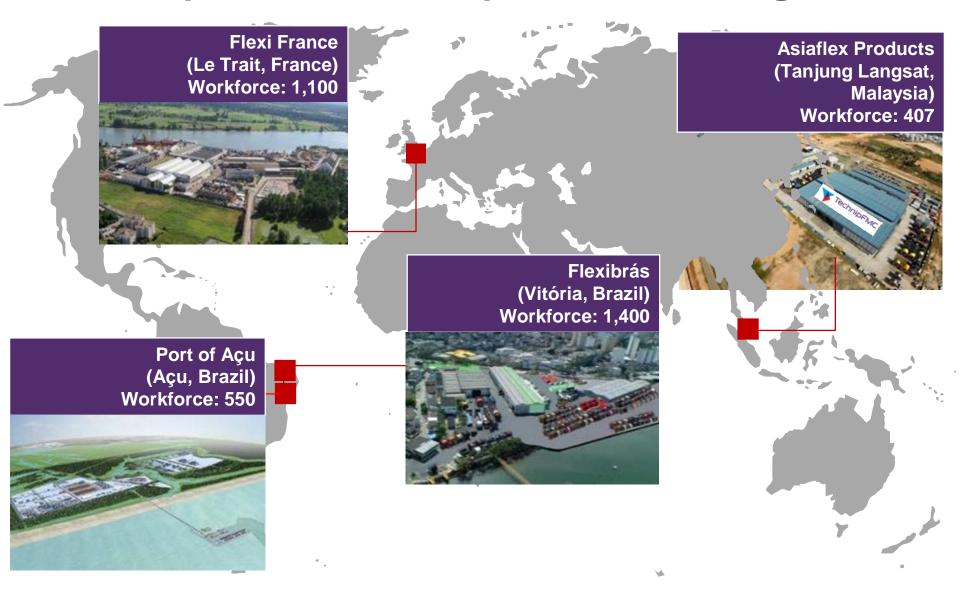


Message from Vincent Julien, Director Flexibles Operation Asia Pacific (APAC).

At Asiaflex Products, the Health and Safety of our employees, visitors and subcontractors is our absolute priority. We are here at Asiaflex Products feel that our commitment of "No Injury or Harm To People, as well as No Damage To The Environment" is achievable and sustainable. Our aim here at Asiaflex Products is to also emulate the philosophy of "Protecting the Health and Safety of our people is a core value and an absolute commitment".



TechnipFMC Flexible Pipe Manufacturing Plants





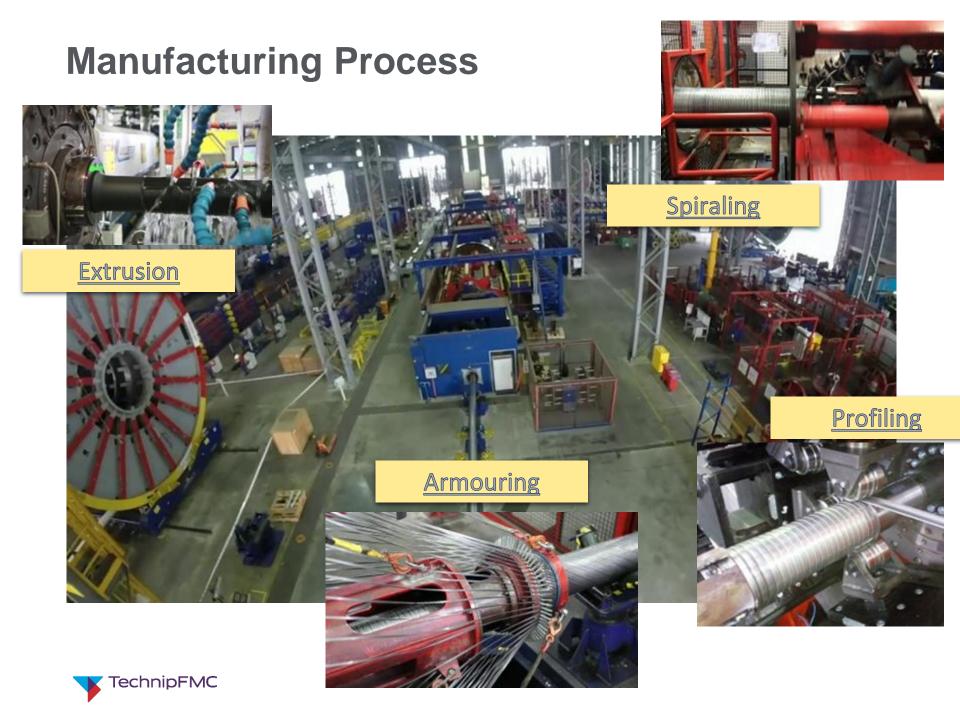
TechnipFMC Asia's flexible assets: Asiaflex Products

Activity started in Q3, 2010

- 3 Product Lines
 - Subsea Flexible Pipes (API17J)
 - Thermosplastic Umbilical
 - Drilling and refining Flexible Pipes
- 407 employees
- Facility working 24 hours a day, 5 days a week
- Fully certified and qualified







End Fitting Mounting Process

Consists of several small machines:

- Pressure Vault Cutting Machine
- Sheath Cutting Machine
- Sheath Machining Machine
- Araldite Injection Machine
- Canulla Jacks, etc.













Facilities in Asiaflex Products



















HSES Programs and Initiatives

HSE AWARENESS

Children Poster / I See I Act / Management Walkthrough
/ Management Walkabout and Interview / Leadership Visibility / Behavioral
Based Safety (BBS) / HSE Training

HSE EVENTS

HSE Week / HSE Campings

REWARDS AND RECOGNITION

Submission of I See I Act and BBS Observation
/ Monthly HSE Challenge

NEW EMPLOYEE BUDDY SYSTEM

Sticker is attached to the new workers helmet for the first 90 days of employment











Awareness Programs / Communication



Internal & External HSE trainings



Exhibition and collaboration with external parties

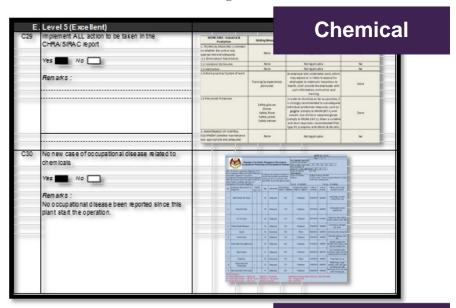


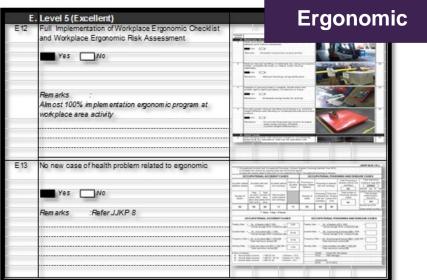


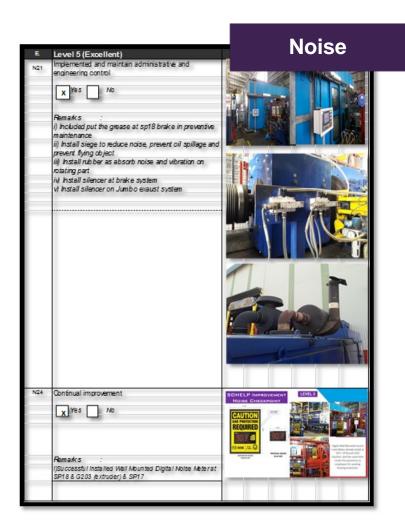




SoHELP Implementation







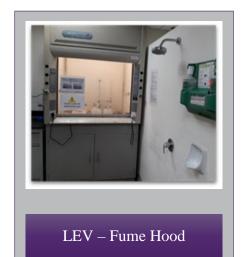
CHEMICAL

NURLIANA AQILA BINTI ISAHAK





Chemical Management

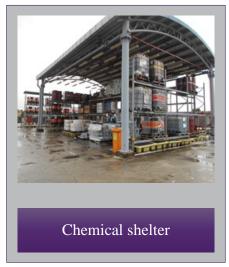








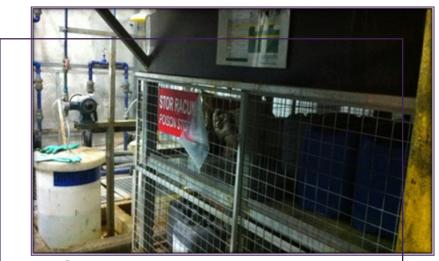






BEST PRACTICE 1:

RELOCATION STORAGE OF SODIUM HYDROXIDE (NAOH)



Before

Sodium hydroxide previously located inside the WTP. Operator manually lifted 25 liter jerry can and store inside the cage.



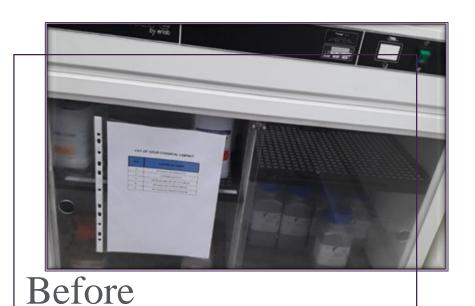
After

Sodium hydroxide cage been relocated to front of WTP and the packaging reduced from 25 liter to 10 liter jerry can.



BEST PRACTICE 2:

ADDITIONAL OF CHEMICALS CABINET



All type of chemicals stored in the same chemical cabinet and only differentiate by different compartment.



After

Flammable, corrosive and dry chemicals been stored in different type of cabinet. SDS is also provided in the flip file at conspicuous location.



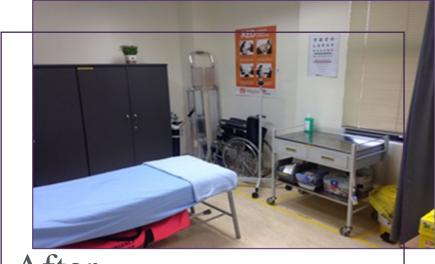
BEST PRACTICE 3:

UPGRADE FIRST AID ROOM FACILITIES TO IN HOUSE CLINIC



Before

Previous first aid room manage and maintain by internal nurse.



After

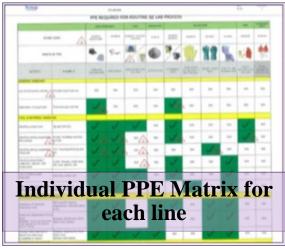
Upgrade the first aid room to in-house clinic. In house nurse available every day during normal working hours and visiting doctor is available 2 times per week.

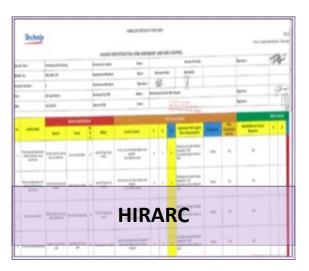


BEST PRACTICE 4:

COMPREHENSIVE RISK ASSESSMENT, PPE MATRIX AND SDS

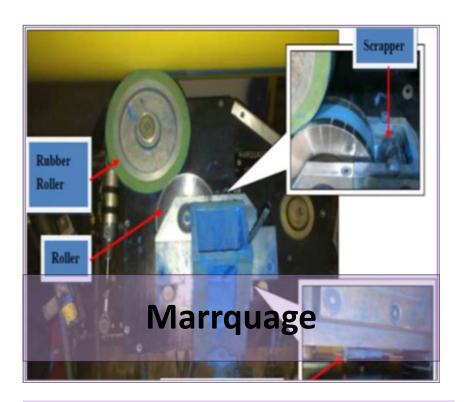






BEST PRACTICE 5:

AUTOMATION



Use of marrquage machine in preventing the continuous exposure of the blue ink to the operators



Auto dosing for caustic soda, polymer and PAC inside the treatment tank to prevent from accidental effluent discharge due to human error



ERGONOMIC

SHAHIFULANUWAR BIN YAHYA





IMPROVEMENT 1:

INSTALLATION OF THE SCISSOR TABLE





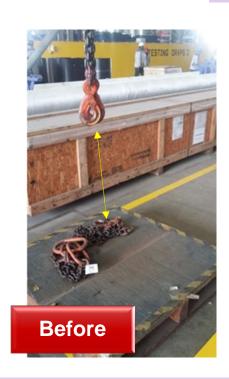
Manual handling required bending posture to transfer material into the container

Providing the scissor table to minimize awkward posture during the material transfer



IMPROVEMENT 2:

INSTALLATION OF THE SLING CHAIN HANGER



Manual handling to connect the sling chain from the floor to the overhead crane



Installation of the hanger for sling chain at the same height of the overhead crane hook



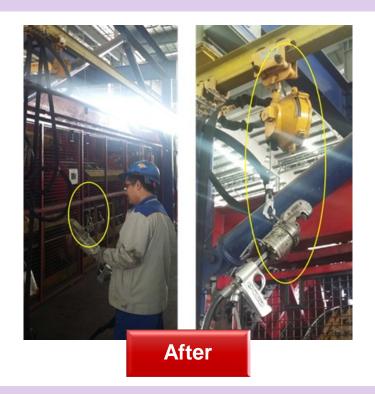
IMPROVEMENT 3:

INSTALLATION OF THE HANGER FOR CUTTER



Before

Manual handling for using the heavy tool (cutter)



Installation of the hanger for the heavy tool (cutter)



IMPROVEMENT 4:

REFURBISHMENT OF THE CONTAINER CLEANING STATION



Before

Use of mobile platform ladder and over-stretch when doing the tank cleaning



After

Construction of the fixed cleaning platform to reduce the ergonomic risk



IMPROVEMENT 5:

TRANSFERRING THE MATERIALS





Before

Conventional pallet jack for transferring materials

After

Purchased of the electrical pallet jack for transferring materials



IMPROVEMENT 6:

CONTINUOUS ERGONOMIC ASSESSMENT







The ergonomic assessment was initially conducted in the year 2012 and all the recommended actions were completed

KAIZEN project in year 2017 – Ergonomic assessment to be conducted again at the Mounting workshop



NOISE

MOHAMMAD HAIROM BIN HASAN





IMPROVEMENT 1:

TRANSFORMATION OF THE EARPLUGS STATION TO THE PPE VENDING MACHINE



Before

Earplugs Station at the Manufacturing workshop





After

The PPE vending machines provided at the manufacturing workshop for easy issuing to the users.



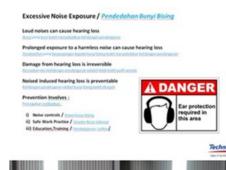
IMPROVEMENT 2:

NOISE INFORMATION TO CREATE AWARENESS



Before

No information available







Noise information displayed at the work areas to create awareness



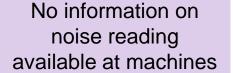
IMPROVEMENT 3:

INSTALLATION OF THE WALL MOUNTED SOUND LEVEL METER













Noise level was manually monitored every 4 hours



After

Digital Wall Mounted Sound Level Meter installed at the machines. At the same time, to create the awareness to employees for using the hearing protection



FULLY ENCLOSED MACHINE





The profiling machine was fully enclosed while running. It can reduce up to 10dB – 15dB of the noise exposure, prevent oil splash and flying object



IMPROVEMENT 5:

INSTALLATION OF SILENCER AT THE REEL CARRIER ROU6 AND ROU12 EXHAUST





Silencer installed for both reel carriers to reduce noise emission from the engines



IMPROVEMENT 6:

INSTALLATION OF NOISE REDUCER AT THE SPIRALLING









Silencer installed at the spiraling machine brakes reduce the brake noise especially while running at 100% speed

Installation of the rubber absorbers to reduce the vibration and noise generation



Thank You



