

**Serious  
About  
Sustainability**

**X-CALIBUR<sup>®</sup>**  
**CONSTRUCTION CHEMISTRY**



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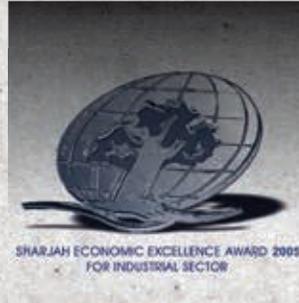
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# Chairman's Message



X-Calibur is now an internationally respected brand in construction chemical products. We have work class technology and systems and are a leader in supplying products to construction products in the following sectors

- Food
- Car parks
- Hospitality
- Aviation
- Water
- Road
- Rail

We continue to develop innovative, fit for purpose, high-quality yet cost-effective products and systems. Recent examples of which are:

- Ultra-low VOC water dispersed single component hybrid PU waterproofing
- Multi-temperature range segmental bridge adhesives
- Decorative resin flooring systems including our Liquid Terrazzo system which produces a terrazzo effect floor without the need for grinding
- Water resistant heavy duty underlayments for interior and exterior use
- New expansion joint systems



**Brian Albert Davies**

Chairman & Chief Executive,  
of X-Calibur International FZC

Sustainability remains at the heart of what we do we have several exciting new initiatives underway including upgrading of our passenger vehicle fully to be hybrid or have a GCC Standards Organization fuel efficiency rating of “Excellent”. The first two hybrids cars and two “Excellent” fuel-efficient vehicles have been delivered with the whole fleet being upgraded by end of 2016

Our new factory is now under design and will feature solar panels, grey and black water recycling, low water use fixings, green roof, LED lighting, triple glazing and exceptional staff accommodation and facilities.

Elimination of all virgin paper stock to be replaced by recycled or FSC compliant paper.

We have also increased our CSR activities to include long-term support for the Larchfield Orphanage in Tanzania.

# OUR GLOBAL NETWORK



## MANUFACTURING

Egypt • Kenya • Maldives • Nigeria • Qatar  
South Africa Tunisia • UAE • USA

## DISTRIBUTORS

Ethiopia • Malaysia • Mauritius •  
Singapore • Sri Lanka

## SUBSIDIARIES

UK • Oman • Vietnam • Hong Kong • India

## EXPORT SALES

Afghanistan • Algeria • Aruba • Azerbaijan • Djibouti  
Equatorial Guinea • Eritrea • Fiji • Finland • Ghana • Iraq  
Ivory Coast • Kazakhstan • Libya • Malta • Morocco  
New Zealand • Norway • Papa New Guinea • Senegal  
Seychelles Sweden • Syria • Tanzania • Trinidad • Turkey  
Uganda • Yemen • Australia • Canada

## EXPORTS

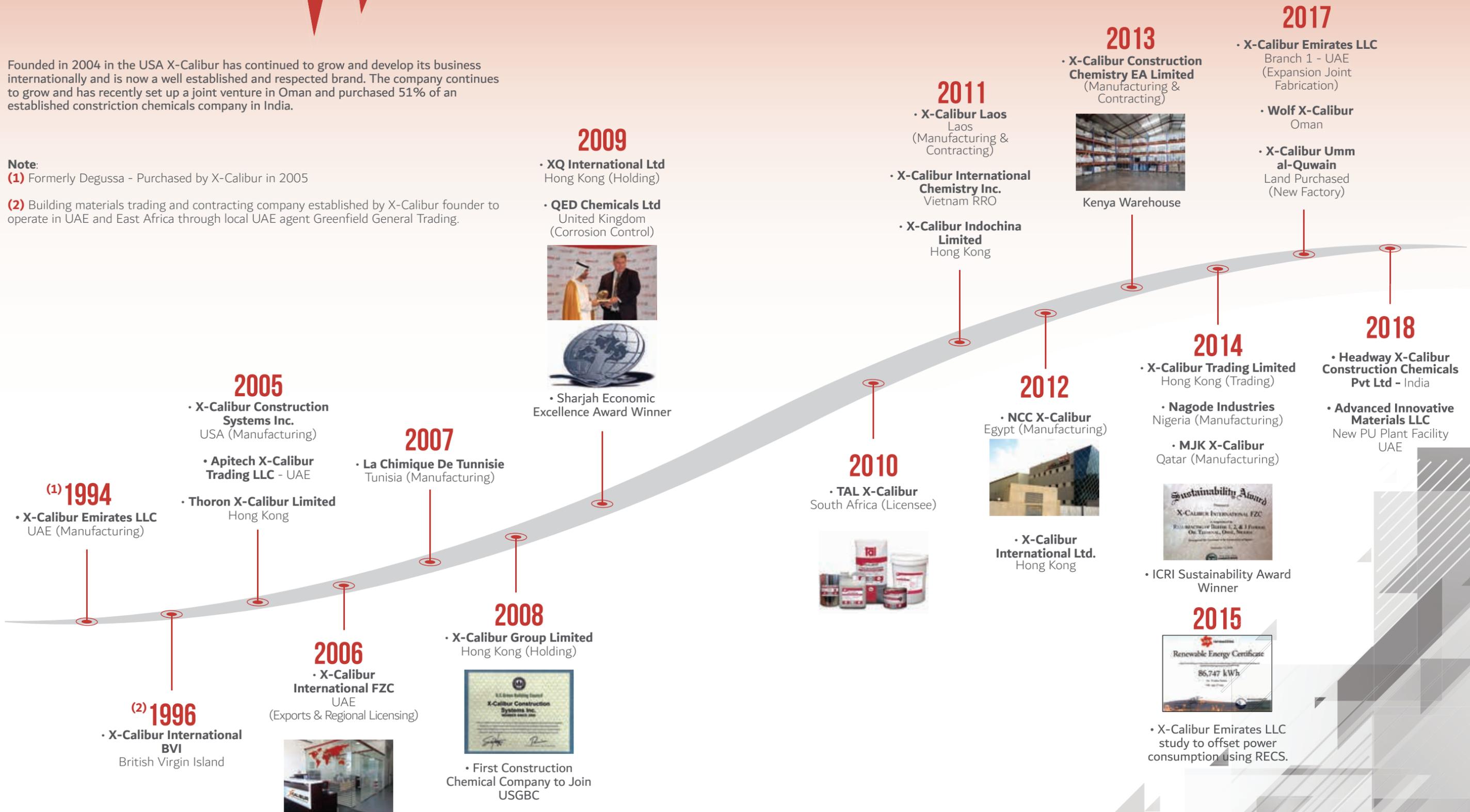
Europe - 5 countries  
Africa - 12 countries  
Asia and Australasia - 7 countries  
America - 5 countries

Founded in 2004 in the USA X-Calibur has continued to grow and develop its business internationally and is now a well established and respected brand. The company continues to grow and has recently set up a joint venture in Oman and purchased 51% of an established construction chemicals company in India.

**Note:**

(1) Formerly Degussa - Purchased by X-Calibur in 2005

(2) Building materials trading and contracting company established by X-Calibur founder to operate in UAE and East Africa through local UAE agent Greenfield General Trading.



**(1) 1994**

• X-Calibur Emirates LLC  
UAE (Manufacturing)

**2005**

• X-Calibur Construction Systems Inc.  
USA (Manufacturing)

• Apitech X-Calibur Trading LLC - UAE

• Thoron X-Calibur Limited  
Hong Kong

**(2) 1996**

• X-Calibur International BVI  
British Virgin Island

**2007**

• La Chimique De Tunisie  
Tunisia (Manufacturing)

**2006**

• X-Calibur International FZC  
UAE  
(Exports & Regional Licensing)



**2008**

• X-Calibur Group Limited  
Hong Kong (Holding)



• First Construction Chemical Company to Join USGBC

**2009**

• XQ International Ltd  
Hong Kong (Holding)

• QED Chemicals Ltd  
United Kingdom  
(Corrosion Control)



• Sharjah Economic Excellence Award Winner

**2010**

• TAL X-Calibur  
South Africa (Licensee)



**2011**

• X-Calibur Laos  
Laos  
(Manufacturing & Contracting)

• X-Calibur International Chemistry Inc.  
Vietnam RRO

• X-Calibur Indochina Limited  
Hong Kong

**2012**

• NCC X-Calibur  
Egypt (Manufacturing)



• X-Calibur International Ltd.  
Hong Kong

**2013**

• X-Calibur Construction Chemistry EA Limited  
(Manufacturing & Contracting)



Kenya Warehouse

**2014**

• X-Calibur Trading Limited  
Hong Kong (Trading)

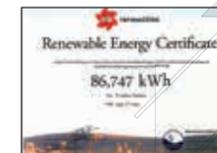
• Nagode Industries  
Nigeria (Manufacturing)

• MJK X-Calibur  
Qatar (Manufacturing)



• ICRI Sustainability Award Winner

**2015**



• X-Calibur Emirates LLC study to offset power consumption using RECS.

**2017**

• X-Calibur Emirates LLC  
Branch 1 - UAE  
(Expansion Joint Fabrication)

• Wolf X-Calibur  
Oman

• X-Calibur Umm al-Quwain  
Land Purchased  
(New Factory)

**2018**

• Headway X-Calibur Construction Chemicals Pvt Ltd - India

• Advanced Innovative Materials LLC  
New PU Plant Facility  
UAE



# OUR BUSINESS VALUES

## Mission

X-Calibur mission is to grow and develop our company to become a respected major international manufacturer and technology leader in the construction chemicals, liquid applied flooring and resin injection systems industries, growing the X-Calibur brand worldwide, providing acceptable returns to our shareholders and allowing our employees to achieve their objectives. We will achieve this by listening to our customers and employees, providing cost-effective quality products that are sustainable, have the minimum impact possible on the environment, and investing heavily in marketing, product development and testing. We will ensure that our cost base, manufacturing processes and business systems will be as effective as possible to allow us to focus on achieving sales growth to ensure that our planned profits, international expansion and growth are achieved.

## Vision

We will be the international technology leader in sustainable construction chemicals, liquid applied flooring and resin injection systems. We will consider sustainability and the environment is everything we do.

We will deliver quality construction products consistently to our customers at minimum cost. We will deliver what we promise.

Our selected customers will be treated as partners. We will only service reputable customers who respect the way we do business.

Our suppliers play an integral role in our business and will have long-term mutually profitable relationships with us. Suppliers will be expected to offer competitive solutions and prices; in return, we will always honor our commitments to them and be loyal customers.

Our staff are partners in the business; their views and hard work are valued. They will share in our rewards.

Our relationships with our staff, customers and suppliers will be based on trust, respect and honesty.

All staff in the organization are expected to develop the ability to make good quality decisions. Decisions will be based on logic and take the long-term into account. We will not make poorly thought out decisions either will we tolerate decisions made for individual personal gain.

We insist on thinking outside the box. We are open to different opinions and believe in honest and inclusive dialogue that brings reality out into the open. There is no such thing as a bad idea. We encourage calculated risk-taking and accept mistakes will happen. What is important is that we know about mistakes as soon as they occur and learn from them.

We will create a Customer Service Model from initial contact through to delivery and follow up that is exceptional and consistent. Through training and orientation, we will establish this model as an integral part of the business.

Work will be challenging and fun. We will do everything possible to minimize negative stress. Politics and discrimination of any kind are not welcome in the workplace.

We support and encourage lifelong learning; this underpins our goal of developing staff to take on bigger and more rewarding roles.

We will manage costs to ensure we remain a profitable and competitive organization, able to weather out economic downturns without having to resort to layoffs. This does not mean penny-pinching; it simply is not wasting money.

Cash is as important as profit and is essential if we are to grow faster than the market and offer the level of service and quality our customers require.



# OUR MISSION & VISION

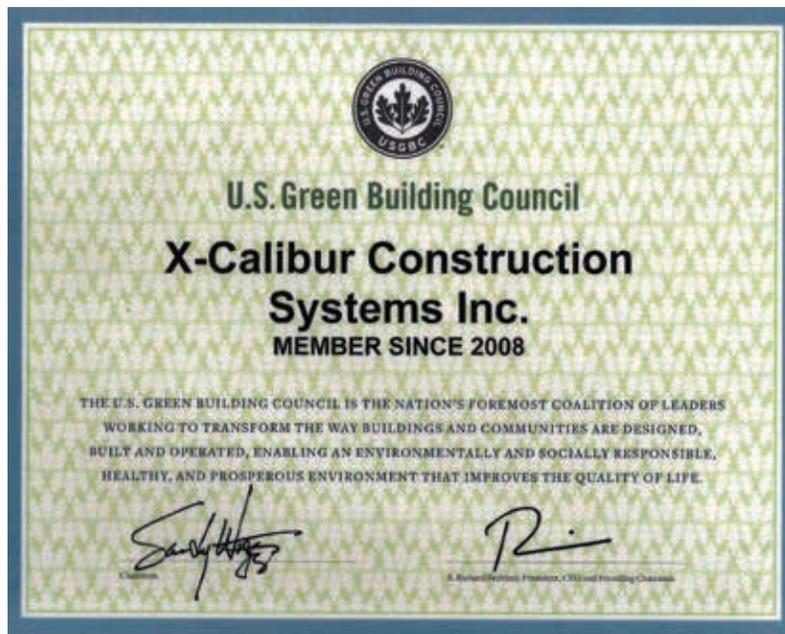




## Integrated Management System

X-Calibur in the UAE has developed, documented and implemented an Integrated Management System within the organization meeting to the requirements of three management system standards; ISO 9001:2015 Quality Management Systems, ISO 14001:2015 Environmental Management Systems and OHSAS 18001:2007 Occupational Health and Safety Management Systems. All three UAE companies namely X-Calibur International FZC, X-Calibur Emirates LLC and Apitech X-Calibur Trading Limited LLC are certified.

## US Green Building Membership



First joined the USGBC in 2008 and continues to be an active member.

## DID YOU KNOW?



X-Calibur supplied the self leveling underlayment for the US Green Building Council Headquarters in Washington DC. LevelCem 300 was supplied and deemed to be the only product that fully satisfied the USGBC LEED requirements for recycled content and ultra low VOC



## **Serious About Sustainability**



**Workforce  
development**

**Environmental  
Responsibility**

**Commitment to  
the community**

X-Calibur adopts the triple bottom line (TBL) approach to sustainability we believe that as a profit-generating enterprise we have to do everything within our means to minimise our ecological footprint and also have planned CSR strategy.

# DIVERSIFIED WORKFORCE

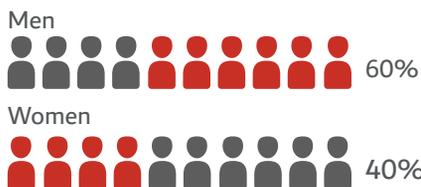


X-Calibur has found continuous strength in its diversified workforce. Our employees are composed of different race, ethnicity, gender, age, religion, knowledge and ability. Hence, this does not stop us from becoming productive and efficient at work but as well as earning mutual respect for each other and embracing our differences for a harmonious working environment.

## Women Employed Statistics

The construction industry is a field dominated by men since the beginning of time. But time has changed this traditional perspective and by which eventually leads to more opportunities for women in the different field and managerial positions.

As a company strongly supporting fairness in work and women empowerment, X-Calibur is encouraging more women to accept the challenges in the construction chemistry company. Since 2004, the number of women employees increased. Currently, women are 40% of the total number of X-Calibur management and technical team. It is always X-Calibur belief that women are capable, educated and has the enthusiasm to learn, and further their knowledge in the field, in sync with the company's progress.



## DID YOU KNOW?

Women make up around 14% of construction professionals and this number can only be set to rise with more and more women choosing construction jobs.



*“X-Calibur knows no gender in terms of creating opportunities in the chemical construction field. I believe that your physical state, whatever gender or age, should not limit your boundaries. You just have to expand your capacity and conquer the world with your skills and expertise..”*

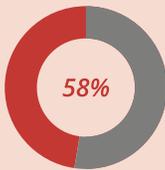
**– Fanny Wong**  
Commercial Manager



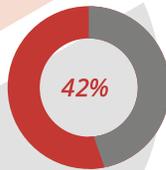
## Graduate Statistics

X-Calibur is continuously providing opportunities for all qualified engineers, technologists, and staff which have the potential and enthusiasm to share their knowledge and abilities for the success and improvement of company's operation, finance, and management.

We believe in lifelong learning. All employees are given fair opportunities to improve themselves and excel in their line of work by making each and every one competent on their assigned jobs through education, coaching and consultation, and training.



Skilled Workforce



Professional Staff



“In early 2014, right out of graduate school, I was employed by X-Calibur International. It has been a steep learning curve since. I am forever indebted to the management for allowing me to be a part of their team despite me being fresh out of university. Despite the myriad of professional backgrounds, I have been able to learn and develop myself both professionally and personally. It is a tough working environment. The challenge of it all has allowed me and my colleagues to strive harder, work closely and to transform mistakes into skills. Since my employment, I have been able to hone my skills as an engineer not only here in the UAE but also around the world. This has been impeccable in my growth in my field and for allowing me to pass my skills and expertise where it's relevant to expand the company. X-Calibur international is an exemplary company for graduate seeking a challenge and for continued growth as an individual.”

– Eng. Syed Sadath Hussain  
Senior Materials Engineer



## Training Spends

Over 90 different training courses offered to employees of X-Calibur Group of Companies. X-Calibur believes that the best asset of every organization is the people behind, passionately working hard for the success of their companies. X-Calibur has more than 60% of its employees which are qualified engineers, chemists, and technologists. To unleash their maximum potential, X-Calibur is continuously invests in employee development training to acquire knowledge, enhance their skills and adapt to state-of-the-art technologies and methods. In this way, employees become more competent and productive at work. Providing training that develops employee skills

toward long-term career goals can also promote greater job satisfaction. It is said that the more satisfied employee is, the more likely they are to stay longer and be more passionate towards work.

### DID YOU KNOW?

44 students & 19 construction professionals from the University of Nairobi were given the opportunity to be part of the 3-days training of Introduction to Concrete Technology conducted in University of Johannesburg by X-Calibur in 2016.

## ACHIEVEMENTS THROUGH TRAINING OUR EMPLOYEES

- Implementation and acquired certification for:
- ✓ **ISO 9001:2015 Quality Management Systems**
  - ✓ **ISO14001:2015 Environmental Management Systems**
  - ✓ **OHSAS 18001:2007 Occupational Health and Safety Management Systems** in its three companies in UAE
  - ✓ Achieving set quality, environmental and health and safety targets and goals
  - ✓ Increase in employees quality of work
  - ✓ Increase in work rate
  - ✓ Increase in employee satisfaction
  - ✓ Increase in customer satisfaction
  - ✓ Decrease in consumption of resources such as water and energy
  - ✓ Safe operations of forklifts and decrease in forklift-related accidents in the warehouse
  - ✓ Competent fire marshals in case of fire emergency
  - ✓ Competent first aider

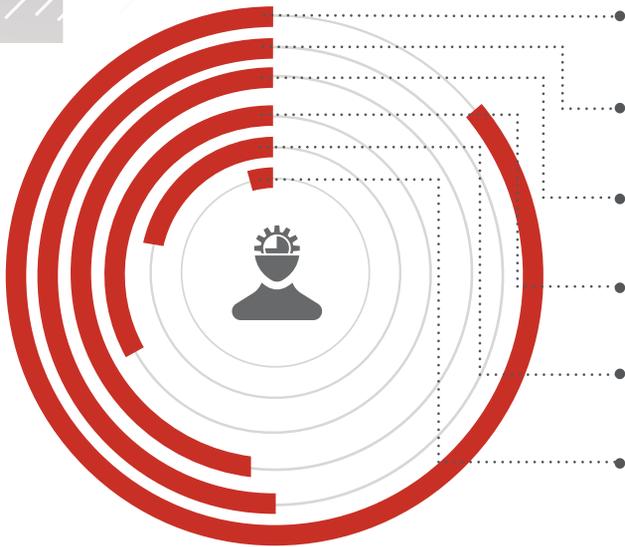


## Training Statistics

Since 2010, X-Calibur Group of Companies provides over 90 different training courses to their employees. Training offered to employees vary from product knowledge, construction, and technical, management system, personal development, office skills, sustainability and health and safety training.



## Training Spends



**Construction Related**

**Safety**

**Office Skills**

**Management System**

**Personal Improvement**

**Sustainability**

Total of Training Hours  
**4,057**

Average Training Hours  
**12:26**

"I feel so privileged to get all the opportunity in acquiring training especially the awareness and implementation of ISO standards and NEBOSH which hugely helped me in fulfilling my work requirements. In fact, I am a fresh Industrial Engineering graduate when I joined the company back in 2016. Mr. Brian Davies did not see this as a flaw, but instead, an opportunity to engage employees like me on training to gain knowledge, hone our skills and eventually find ways to contribute to the improvement on the management system of the company. I am grateful to X-Calibur for believing in my skills and capabilities."

– Irish Jeanne Castrudes  
QHSE Officer





# SAFETY IN THE WORKPLACE

## Safety at Workplace

As we continue to provide quality product and service and exceed our customers' requirements, we always ensure that we do not compromise the safety of our employees. In accordance to International Labour Organization legislation of C155 Occupational Safety and Health Convention, 1981 (No.155), employer have the duty to provide a safe place at work, safe plant of equipment, safe systems of work and training, supervision and competency of employees. We, at X-Calibur, are trying our best to promote and implement a health and safety culture within the organization for the best safety interest of our employees.

To comply for the above ILO requirements, X-Calibur has started to outset its foundation in creating a safe place of work by providing basic welfare facilities, reasonably safe from risk and regularly maintained plant and equipment and procedures align to safe systems of work.

Employees have the right to be aware of the hazards and risks inherent in their work, the safe system of work and emergency procedures. To establish and implement an

effective health and safety management system, X-Calibur is continuously investing in safety resources and training and supports safety programs for the improvement of existing safety culture of the organization. In fact, this year, we provide safety training for both middle-level management and workers such as NEBOSH, Safe Operation and Handling of Forklifts and Fire Fighting training to our employees.

As compliance with UAE Law, our workers also undergo health surveillance to check their health performance towards work and ensure that their jobs will do no harm to their well-being. Aside from providing personal protective equipment at work, we are planning to implement safety toolbox talk and conduct risk assessment within our premises for continual improvement of our health and safety system management.



# Motivating Employees

## Bikes for Workers

X-Calibur Group of Companies is one of the first companies implemented the Bike-to-Work program within its organization.

Since 2010, X-Calibur promotes sustainability awareness to their employees and provides the bicycle for those who live nearby the office to get them to work and going home after duty hours. In this way, X-Calibur supports the worldwide environment initiative to reduce gas emissions produced by the transportation vehicles. It does not only helps the environment to get rid of pollution but also by making the employees fit and healthy.

X-Calibur is providing their employees with the bicycle along with safety training, vest, and helmets as a safety precaution. Aside from these, X-Calibur plans to build bicycle parking areas, changing and shower rooms and basic maintenance and repair station with a bike pump and multi-tools.

### DID YOU KNOW?

Cycling 10km each way to work would save 1500kg of greenhouse gas emissions each year.

Cycling during peak hours would contribute to further emission reductions by reducing congestion and improving traffic flow.



## Team Building and Other Employee Recreational Activities

Work will not be only challenging but fun also. We will do everything possible to minimize negative stress in our workplace. To make the team members have fun and be socially engaged with their colleagues, X-Calibur is providing team building and other employee recreational activities once in a while. Team building brings people together by encouraging collaboration and teamwork.

Fun activities that help people see each other in a different light allow them to connect in a different setting. Through a series of planned team building events that are fun and motivational, X-Calibur team will build skills like communication, planning, problem-solving and conflict resolution which results to a better harmoniously working environment.



# NEAR ZERO WASTE

## Biodegradable Plastics

In 2013, The UAE Ministry of Environment and Water has announced and officially mandated the ban on the circulation and marketing of non-biodegradable plastic products throughout all emirates in the UAE. A similar ban was introduced in Kenya in 2017

X-Calibur is one of the first companies to use biodegradable plastics for packaging. Our purchased plastic bags are biodegradable and if stored in direct sunlight or on landfill will be subjected to self-degradation when left unfilled. It is also classified as oxo-biodegradable and meeting all requirements and conditions in accordance with UAE S 5009:2009 standard and chain of custody certified by the Emirates Conformity Assessment System (ECAS).



## Reuse of Packaging

X-Calibur wherever possible is committed to reusing and recycling packaging. On large epoxy and urethane flooring projects the resin components are supplied in 200 liter drums and stands allowing the resin to be measured out at site and the drums returned for refilling. At the end of the useful life of the drum it is sent for recycling. In markets where it manufactures products X-Calibur will at the request of the customer collect used packaging and send for recycling. Where possible our biodegradable plastic bags are reused under they start to oxidize.



## DID YOU KNOW?

Oxo-biodegradable technology converts plastic products into biodegradable materials at the end of their useful life. It does this by oxidation in the presence of oxygen and turning to nothing more than CO<sub>2</sub>, water and humus.

# ENVIRONMENTAL *Responsibility*

## Hybrid Cars

X-Calibur has begun to upgrade its fleet to hybrid cars or cars with fuel consumption of fewer than 5 Litres per 100km. The car fleet in line with the UAE's 2021 vision will be fully upgraded by end of 2021. As the more suitable cost effective EVs enter the market and charging infrastructure developed X-Calibur will start the transition from hybrids to EVs.



## Introduction of Dust Free grinding on flooring projects

Fine concrete dust is a harmful pollutant. X-Calibur encourages its Registered Contractors to upgrade their dust extraction for surface preparation machines to eliminate dust. X-Calibur's own application teams use dust free surface preparation methods.



## Custom Packed Size X-Tite SBA MT

In order to reduce the number of containers and waste material X-Calibur offers a custom pack size service for segmental bridge adhesives resulting in no material wastage and less containers being used. This has been used on several major bridge projects including the Hong Kong - Zuhai - Macau bridge which is the world's longest.

# REDUCING HARMFUL EMISSIONS



## Formaldehyde Free Polymers

Formaldehyde is a colorless, flammable, strong-smelling chemical that is used in the creation of polymers, intermediate synthesis of other chemicals and is very common in adhesives. It is volatile organic compound (VOC), meaning that it becomes a gas at normal room temperatures. It is also naturally occurring substance in the environment.

One of the problems of formaldehyde is that products containing it slowly give off toxic vapors over time. For humans, inhaling atmospheric concentrations can cause eye and mucous membrane irritation, breathing difficulties and headaches. When in contact with the skin, it can cause irritation, burns, and dermatitis. In large doses, formaldehyde can be lethal. The chemical is listed as a known human carcinogen by the International Agency for Research on Cancer.

In many animals and birds, formaldehyde has the same effects as in humans, when ingested or inhaled. When animals are exposed to formaldehyde it can make them sick, affect their ability to breed, and reduce their life spans. It can also change their behavior and appearance. Formaldehyde is highly toxic to aquatic life, fishes, shellfish and other creatures in our rivers, lakes, and oceans.

Since 2008, X-Calibur has been using Formaldehyde Free Polymers on their raw materials to reduce direct exposure to formaldehyde to people and environment.



## APEO Free Polymers

APEO or Alkylphenol ethoxylates are non-ionic surfactants with an emulsifying and dispersing action which makes them suitable for a very large variety of applications such as polymers in construction chemicals.

APEO are toxic to many aquatic organisms. A research confirms that APEOs are potential endocrine disruptors, as well as being highly bio-accumulative and persistent. They have estrogenic effects in aquatic ecosystems at concentration: in which fertility of fish and other water organisms is affected leading to stocks decrease and impaired ecosystems.

APEO also believes to cause impairment to human fertility and cause harm to unborn children when contaminated fish is ingested. To safeguard the health and safety of consumers and local communities, X-Calibur starting from 2008 has introduced the ban on using APEO polymers in manufacturing their products. With the help of their reputable suppliers, X-Calibur comes up with the alternative raw materials for APEO and started to use APEO free polymers.





### Phthalate Free

Phthalates are a group of man-made chemical compounds used to soften and increase the flexibility in the manufacturing of plastics, solvents and personal care products. They are colorless, odorless, oily liquids that do not evaporate easily and do not chemically bind to the material they are added to.

Very few studies have examined the health effects of phthalates on humans. Current studies posed phthalate exposure has been found to be associated with numerous reproductive health and developmental problems.

Phthalates are weak endocrine disruptors and androgen blocking chemicals. This means that when absorbed into the body phthalates can either mimic or block female hormones or in males, suppress the hormones involved in male sexual development.

This year, X-Calibur has started its first step towards becoming a full “Polyurethane Systems House” using the latest European polyurethane technology incorporating Phthalate Free Resins. Hence, this expansion of market makes a significant volume of business and one that intends to educate, serve and dominate with high performance, cost-effective and eco-friendly products.



### Ultra Low VOC

Low VOC refers to volatile organic compounds that are not harmful to the environment and humans. It mostly refers to paints and other products that have a very low or zero VOC, e.g. sealants, adhesives and cleaners which are good for both the environment and living organisms.

VOCs produce harmful ozone by reacting with oxygen in the presence of sunlight. This ozone is corrosive to man-made materials. It aggravates the deterioration and fading of certain paints. It also plays a crucial role in global warming. VOCs are greenhouse gases and have a significant impact in the creation of the greenhouse effect.

Low VOC is used to describe a product with VOC content at or below 150g/L. Ultra Low VOC products have VOC content that's below 50g/L. Ultra Low VOC products typically have little or no odor.

Adding to its outstanding credentials, X-Calibur has been certified as a manufacturer of LEED VOC Compliant floor coating and waterproofing membrane products with 0g/L VOC content. Its Ultra low VOC construction solutions are not just only complying with certain international standards but help reduce the emission of smog-forming compounds when using in construction and remodeling projects.

# NEW X-CALIBUR EMIRATES FACTORY DESIGNED TO BE LEED CERTIFIED



- Fully insulated factory and accommodation block
- Roof garden on accommodation block
- High-efficiency air-conditioning system
- LED lighting - X-Calibur has implemented a LED lighting upgrade project for all its owned and operated sites. By 2020 all lighting will be LED.
- Perimeter lighting will be solar powered individual units
- Solar Panels - X-Calibur is committed to using solar power wherever possible. New factory sites from 2018 will have solar power installed where allowed by local regulations.
- Solar parking
- Solar hot water system
- Cleaning solvent recovery
- Water saving features
- Triple glazed windows
- Fully insulated
- FSC Timber
- Low flow water fittings, low flush high efficiency WCs and waterless urinals.
- High-quality labor accommodation with 50% more space per worker than the required plus a fully equipped recreation floor

# THINK ACT

## Global Local

X-Calibur operations around the world operate with a high degree of autonomy local management teams are encouraged to make quick decisions and adapt the business process to suit local conditions while at the same time adhering strictly to our corporate values. As we develop talent through our graduate training scheme they develop into high-performance professionals who understand our culture and are equipped to make quality decisions.

Each manufacturing operation has its own local product development team and laboratories under the guidance of the Group Product Development Team they develop specific products for to suit local conditions. They also adjust formulations to utilize local raw materials further reducing our global carbon footprint through reduced shipping.

*“As I continuously grow in my career, I believe that my work was going to fill a large part of my life and the only way to be truly satisfied is to do what you believe is sustainable work and the only way you do sustainable work – is to love what you do.”*

*I learned these things since I started to work in X-Calibur Emirates. It has shaped me more as an individual but also a good citizen who is more than willing to adapt and change what is better and sustainable. Here in X-Calibur, we work not only for ourselves but as for the development of the company and for the community as well.”*

**- Fawaz Bin Sabir, PRO**



### Industrial training partner for University of Sharjah College of Sciences

X-Calibur is tying up with the University of Sharjah to engage their students in gaining constructive industrial experience in a construction chemical company. The Internship Program aims to educate, coach and encourage talented young people to understand our business operations and practices in line with their pursuing careers. This will also become an initial training ground for the deserving students whom the company may see as potential employees.



# STOP PLASTIC POLLUTION



## Oceans plastic signing ceremony in Nairobi, Kenya

X-Calibur Construction Chemistry (EA) Limited and several other KAM Members including Bidco Africa, Coca Cola East Africa and Unilever participated in the Oceans Plastics Charter signing ceremony on Wednesday, 6<sup>th</sup> March 2019 at Sarova Stanley Hotel, Nairobi, Kenya

X-Calibur was the sole company from the construction specialist materials and chemical industry present. This clearly demonstrates how serious X-Calibur take sustainability and environmental issues and is just another milestone in X-Calibur trying to minimize its environmental impact Click [here](#) to see other initiatives X-Calibur is taking.

In June 2018, the Ocean Plastic Charter an initiative lead by the Government of Canada supported by the G7 was adopted by a number of countries in order to demonstrate their commitment to take action to address marine plastic litter. Oceans Plastics Charter Kenya became a signatory to the charter at the Blue Oceans Conference in November 2018.

The Oceans Plastic Charter aims to ensure that plastics are designed for reuse and recycling, as well as to protect the environment while keeping valuable plastics in the economy.



Sustainable design, production and after use markets



Coastal and shoreline action



Research, innovation and new technologies



Sustainable lifestyles and education



Collection, management and other systems and infrastructure

# URBAN *farming*



## Urban Farm

At our production facility in Umm Al Quwain we are utilizing spare areas around the outside of the facility to grow vegetables that are give free of charge to our staff. The planters are made from recycling old IBC containers thereby using materials that could have been destined for landfill. The soil used is a mix of sand and compost which is made from waste.



# COMMITMENT to the community



## Engineers for Africa

In association with University of Johannesburg, X-Calibur “Engineers for Africa” initiative provides continuing education courses in Concrete Technology and Project Management throughout East Africa. These courses are free to attend and are delivered and accredited by the University of Johannesburg. The purpose of the course is provide engineers with specialist knowledge and a recognized qualification in these subjects which will subsequently improve construction techniques.



## Community Sports

X-Calibur regularly sponsors community sports activities, for example, basketball and dragon boat teams. The sponsorship is targeted at helping people with low disposable incomes becoming involved in a sport.

## 5-year financial commitment to Larchfield kids in Tanzania

X-Calibur has signed a 5 year MoU to provide financial assistance to Larchfield Tanzania to home and educate Tanzanian children who have been abandoned by parents – either by reason of disease and death, divorce or other incapacity to maintain the family unit. The first phase of the project to build and operate a purpose built children’s home for 50 children is complete but work will continue accommodate eventually up to 300. The project also includes a medical dispensary and a center for vocational training in agriculture.



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## Build a Cooker for Glad’s House in Mombasa, Kenya

A Community Cooker is a waste to heat energy technology that burns rubbish environmentally correctly to generate heat energy for cooking, baking and boiling water.

The Community Cooker Foundation conducts research and development, outreach and information dissemination of the Community Cooker with three main objectives; to promote the Community Cooker and it’s uses through creation of partnerships with organizations willing to: fund it’s installation and build costs and/or operate and manage it once build is complete, to continue improving the design and efficiency of the cooker, to educate the public regarding the safe and responsible methods of incinerating rubbish to produce energy.

X-Calibur Construction Chemistry (EA) was a major contributor to this project. This is a fantastic project that has multiple benefits both social and environmental.

**THANK YOU!**

This certificate is proudly awarded to:  
**X-Calibur Construction Chemistry (EA) Limited**  
 Your donation will help Build a Community Cooker at Glad's House Mombasa that will support youth living on the streets.

*Jim Archer*  
 Trustee  
 Community Cooker Foundation

*Wakini Mwanjiku*  
 Foundation Manager  
 Community Cooker Foundation

**COMMUNITY COOKER**  
 RUBBISH. ENERGY. VALUE



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**Bridge**  
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Panama**

**Federal Oil Terminal  
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