



**3C METAL COMPLETES RIG
INTAKE PROJECT FOR SEADRILL'S
WEST JUPITER**

**INSIDE
THIS ISSUE**
ISSUE 27 | Q3 2022

**MALAYSIA TEAM CARRY OUT
MPD SYSTEM INTEGRATION
FOR 8TH GENERATION ULTRA-
DEEPWATER DRILLSHIP**

3C Metal Asia has completed another successful managed pressure drilling (MPD) system integration onboard the Deepwater Atlas - one of two of the world's first 8th generation ultra-deepwater drillships.

**3C METAL DELIVERING PIG
LAUNCHERS AND RECEIVERS
FOR SUBSEA7**

3C Metal's entity in France is pleased to announce it has been commissioned by Subsea7 to manufacture onshore and subsea pig launchers and receivers as part of the Sakarya development.

**3C METAL BELMET
UNDERTAKING MAJOR
SCOPES FOR ASTRON ENERGY
REFINERY**

3C Metal Belmet, part of 3C Metal Group, is part-way through a three-year contract with Astron Energy for refinery maintenance work for the Glencore-owned Astron Energy refinery in Cape Town.

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A WORD FROM 3C METAL'S PRESIDENT AND CEO



This year we have been involved in projects for a wide range of clients, across different industries. Activity is strong for all of our sites and, with the continued dedication of all our teams, I believe we are on track to finish 2022 with great success in terms of productivity. For several years we have been working to expand our service offering to new industries, particularly new areas of the energy sector and other heavy industries. Pleasingly, our efforts have been translating into tangible growth opportunities for us.

As mentioned briefly in our previous newsletter, 3C Metal, in joint venture with French shipyard Piriou, has been awarded a contract by Ifremer (the French Institute for Ocean Science) to deliver the complete engineering and construction of the prestigious oceanographic vessel, the Polar POD. Our teams in France, the Middle East and South Africa are in place to start work on this iconic project which is led by French doctor and explorer, Jean-Louis Etienne. We look forward to sharing more official details about the project very soon.

Some highlights featured in this newsletter include our work for Subsea7 to manufacture onshore and subsea pig launchers and receivers as part of their work (in consortium with Schlumberger) on the Sakarya gas field development in the Black Sea for Turkish Petroleum. In Africa, we are part-way through a three-year contract with Astron Energy for maintenance work for the Glencore-owned Astron Energy refinery in Cape Town. So far there has been a peak of 130 personnel on site delivering multiple major fabrication and installation scopes.

We are encouraged by recent awards and current prospects both in and outside of the oil and gas industry. We have secured another managed pressure drilling (MPD) system integration for the Maersk Voyager which is currently mobilizing for a drilling campaign offshore Suriname with Shell. We have also been successful in securing new work in

the development of concentrated solar power (CSP) plants in South Africa's Northern Cape as part of the South African Renewable Energy Independent Power Producer (REIPP) Procurement Program. We have been awarded the steam generation system (SGS) installation for the SEPCOIII Redstone CSP plant. Once in operation, the plant will be able to reliably deliver a stable electricity supply to more than 200,000 South African homes.

3C Metal has been working to adapt our services to the global energy transition. As well as supporting our clients' ambitions to reduce their carbon emissions, we are looking into our own activities and services. In March, 3C Metal commenced a Group-wide carbon footprint study to calculate our carbon emissions. The study was done by STEPS, a French consulting company that specializes in low carbon pathways. For several months 3C Metal and STEPS have been calculating our current emissions and are now determining which areas 3C Metal can effectively reduce emissions.

3C Metal strives to manage our activities responsibly, play our part in the fight against climate change and help to strengthen the communities in which we live and work. Earlier this year, we conducted a Group-wide survey to gauge which social and charitable initiatives are most important to 3C Metal's employees. The findings of the survey indicated that employees are most passionate about causes relating to children's charities, ending poverty and hunger, education and the environment. We are currently looking to increase CSR activities on a Group level and support new causes based on the valuable feedback from our employees.

Whilst there will always be challenges to face, it remains an exciting time for 3C Metal and I'm optimistic about what the future holds.

Philippe Boy
President and CEO of 3C Metal

MALAYSIA TEAM CARRY OUT MPD SYSTEM INTEGRATION FOR 8TH GENERATION ULTRA-DEEPWATER DRILLSHIP – DEEPWATER ATLAS

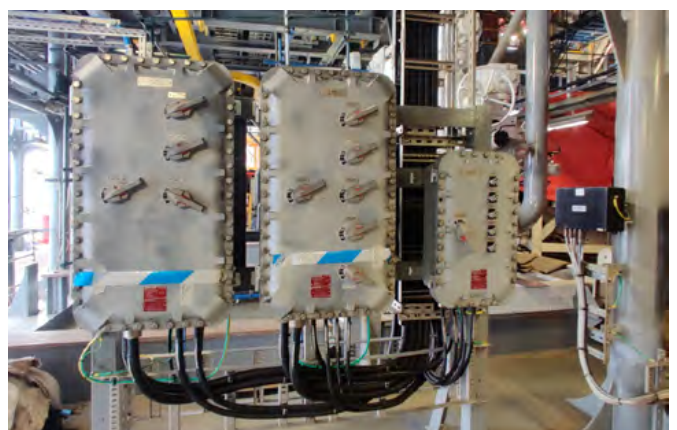
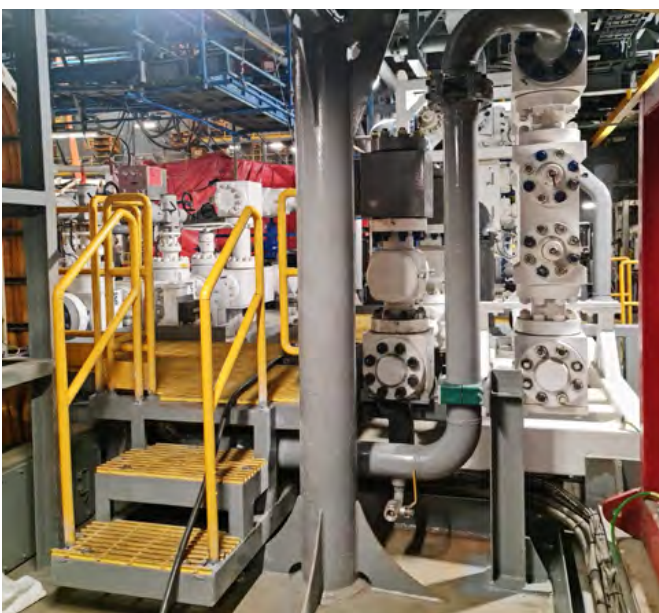
3C Metal Asia has completed another successful managed pressure drilling (MPD) system integration. The work was carried out onboard Transocean's Deepwater Atlas - one of two of the world's first 8th generation ultra-deepwater drillships.

The MPD system was installed while the rig was alongside in Singapore, ahead of its drilling operations at the Shenandoah oil field in the Gulf of Mexico. The high-specification drillship is designed to be capable of 20,000 PSI drilling and completion operations, and to operate at 12,000 feet.

Part of 3C Metal's work includes the engineering for the replacement of the choke-and-kill manifold with a 20,000

PSI version.

3C Metal's team demobilized after completing the project smoothly and with zero incidents. 3C Metal would like to thank the Transocean team for their support in managing this project and a special mention to the ground team from both 3C Metal and Transocean for their great work.



3C METAL DELIVERING PIG LAUNCHERS AND RECEIVERS FOR SUBSEA7

Late last year, the consortium of Subsea7 and Schlumberger announced the award of an engineering, procurement, construction and installation (EPCI) contract by Turkish Petroleum for subsea work on the Sakarya gas field development in the Black Sea.

3C Metal's entity in France is pleased to announce it has been commissioned by Subsea7 to manufacture onshore and subsea pig launchers and receivers as part of the project.

The overall project being delivered by the consortium covers the subsurface solutions to onshore production. The scope of work to be executed by Subsea7 comprises of the subsea pipelines and associated equipment to connect the subsea wells in approximately 6,560 feet water depth to the

early production facilities. Schlumberger will deliver the well completions scope and the design, construction, and commissioning of the early production facility.

3C Metal is proud to be involved with this project. According to Turkish authorities, the reserves of natural gas in the western Black Sea region's Sakarya field can help the country cut its dependence on energy imports and could potentially meet the country's energy needs for 20 years.



3C METAL INSTALLS TWO CHOKE-AND-KILL MANIFOLDS AND HP PIPING SYSTEMS FOR SRI ENERGY

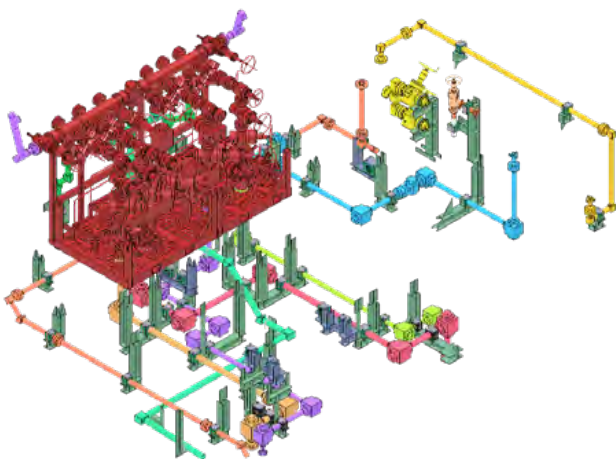
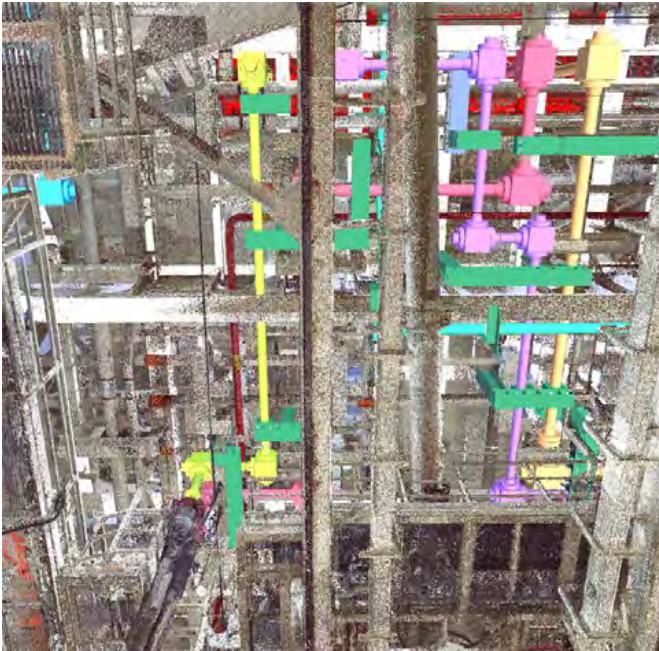
3C Metal has successfully delivered a project for the installation of two choke-and-kill manifolds and the associated high pressure (HP) piping systems for SRI Energy onboard two rigs.

The choke-and-kill manifolds (4-1/16" 15K PSI) were supplied by SRI Energy. 3C Metal worked closely with SRI Energy and the client to design and fabricate the HP piping systems. Laser scanning was carried out on both of the rigs, focusing on the existing lines and under the drill floor to design pipe routing for the new lines with zero clashes.

Fabrication took place at 3C Metal's facility in the Middle East which holds the API 16C license for the design and supply of rigid choke-and-kill lines and also maintains stock of API 16C compliant piping – a requirement of this project - which

was utilized for the fabrication to reduce lead-time. The workshop team was able to deliver fully-fabricated spool and block assemblies, requiring no welding onsite.

3C Metal deployed a team to carry out the installation on site in Singapore. The team worked on a day-and-night shift basis to deliver the project. More than 20 hydrotesting procedures were done on-site for the commissioning of the manifolds as per approved procedure. Installation has now been successfully completed.



BOP INSTALLATION ONBOARD TWO RIGS FOR SRI ENERGY

3C Metal has assembled and installed two blow-out preventers (BOP) on two rigs for SRI Energy. 3C Metal designed, fabricated and installed the access platforms and lifting assembly and also installed the wing valve assembly which was supplied by SRI Energy.



3C METAL BELMET UNDERTAKING MAJOR SCOPES FOR ASTRON ENERGY REFINERY

3C Metal Belmet, part of 3C Metal Group, is part-way through a three-year contract with Astron Energy for refinery maintenance work for the Glencore-owned Astron Energy refinery in Cape Town.

The team is carrying out multiple major scopes for the prefabrication and installation of various structural steel and piping scopes including mechanical installations of OEM equipment.

The scopes include steam trap valve replacements; mechanical installation of soot blowers; fabrication and installation of fuel and gas pilot pipelines; replacement of

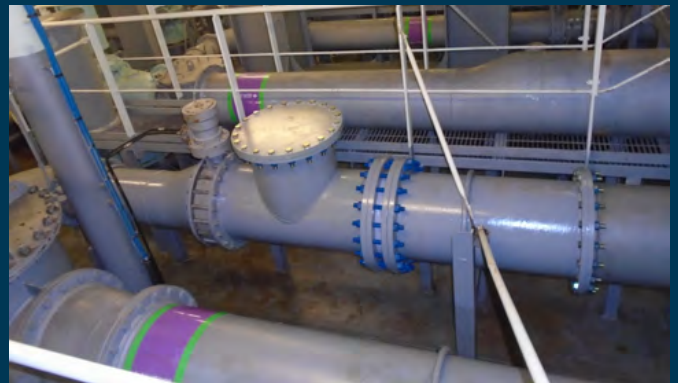
a fire water pipeline; repair of a six-inch diameter isomerate line; and furnace modifications on a pressure vessel.

The work is progressing smoothly and safely. So far, the team have completed more than 1200 equivalent inches of pipe welding during prefabrication and installation and zero LTIs have occurred.



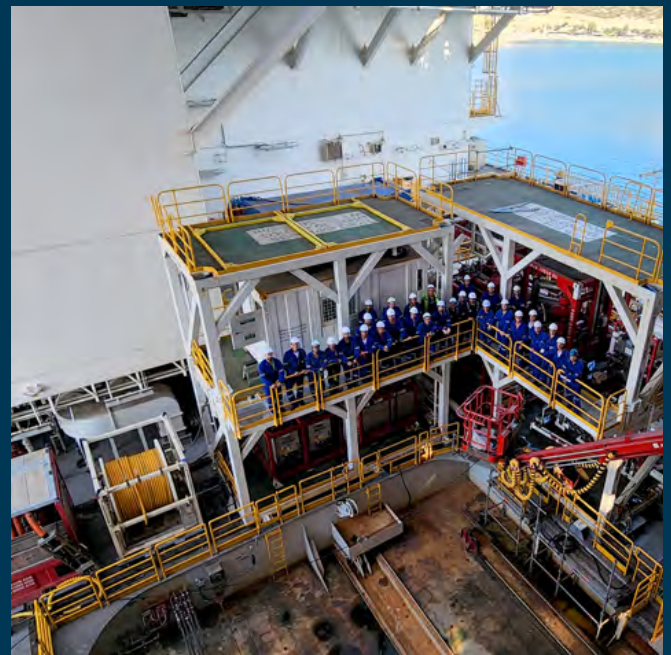
USA TEAM INSTALLING TIE-IN PIPE WORK FOR BWTS ONBOARD VELA DRILLSHIP

Diamond Offshore has commissioned 3C Metal USA to install critical tie-in pipe work for a ballast water treatment system (BWTS) onboard the Vela drillship. The team provided a complete engineering package for the work and carried out all prefabrication on pipe spools so no welding was required on site. Installation was carried out before the rig was due to start a new contract with no disruptions to the rig's scheduled operations.



MPD SYSTEM INTEGRATION ONBOARD THE ABDÜLHAMID HAN DRILLSHIP FOR TPAO

In early Q3, 3C Metal delivered a successful managed pressure drilling (MPD) system integration onboard the Abdülhamid Han drillship (ex-Cobalt Explorer) for TPAO. The work was carried out in Türkiye. The team delivered the MPD integration with the highest standards of safety and quality.



3C METAL COMPLETES RIG INTAKE PROJECT FOR SEADRILL'S WEST JUPITER

3C Metal has successfully carried out rig intake upgrades onboard Seadrill's West Jupiter drillship while it was in Tenerife in the Canary Islands, Spain.

The work was carried out for the rig's reactivation ahead of a long-term campaign for Petrobras on the Búzios field in the pre-salt Santos basin off Brazil. 3C Metal provided a full turnkey solution to Seadrill. The work involved a laser scanning survey, engineering, ABS class approval and supply and installation scopes required for the integration of all third-party equipment.

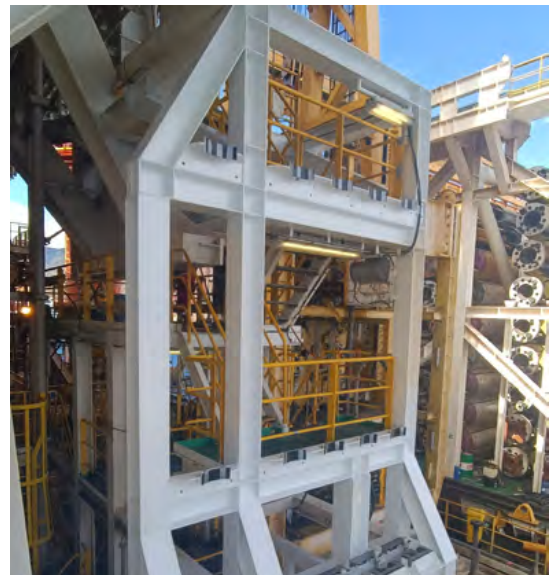
The project was managed by 3C Metal's entity in Dubai, UAE, with support from 3C Metal's entity in France. France supplied 15 tons of prefabricated structures to help meet the project requirements with ease.

The structural component of the work involved the supply, design, prefabrication and installation of a new structure

for BOP accumulators and reinforcement for the existing structure; below deck reinforcements and sea-fastening for a ROV installation; supports for high pressure (HP) and low pressure (LP) piping; and padeyes for the derrick and drill floor.

The piping component involved the supply, design, prefabrication and installation of HP piping (up to 22,500 PSI) and LP piping together with stainless steel hydraulic lines. In total, more than 15 tons of piping was installed.

3C Metal would like to thank Seadrill for their support in managing this project, and to its team for delivering a safe and successful project for a long-term client.



MAJOR UPGRADES CARRIED OUT FOR SEADRILL'S WEST CARINA

Similar to 3C Metal's recent work on the West Jupiter drillship, 3C Metal has carried out upgrades onboard the Seadrill's West Carina drillship ahead of a drilling campaign for Petrobras on the Búzios field, offshore Brazil.

As part of the rig's reactivation for the drilling campaign, 3C Metal was commissioned to carry out the upgrade work while it was located in Tenerife, Spain. These upgrades included the design, supply, prefabrication and installation of a managed pressure drilling (MPD) system upgrade; design, supply and installation of piping for booster line relocation; design, supply, installation of accumulator bottle support; and mud gas separator (MGS) modification (new nozzle, new manhole and erosion plates) and connection.

3C Metal's engineering team provided their technical expertise for the project's piping and structures. An initial laser scan survey of the rig was carried out to aid the accurate modeling and pipe routing. The full engineering package was reviewed and approved by ABS.

All of the upgrades were carried out according to schedule and with zero incidents and zero near misses.



BOP LIFTING CLAMP AND PLATFORM IN-HOUSE TESTING

3C Metal Middle East recently performed an internal load test for a blowout-preventer lifting clamp using in-house equipment. The spreader bar was designed by 3C Metal's engineering team and fabricated in our Dubai workshop specifically for this test.

As well as the clamp, the team fabricated an access platform for this project. Following the successful testing, both items were delivered to local client, Cansco.

3C Metal takes pride in being able to deliver a full range of in-house services for clients; from engineering, fabrication and testing, to onsite installation and commissioning.



NAMIBIAN TEAM BUILDING DAY ON TRACK

3C Metal's Namibian team like their team building like they like their projects – on track!

Earlier in August, the team went for the ultimate go karting experience at R&R Carting located in the coastal city of Swakopmund, Namibia. The facility offers German made karts to be raced on a "grand-prix-like" track.

Darren Mouton, followed by Project Engineer, Michael Izaks, in second, and in third place for a podium finish was Quality Control Inspector, Pablo Rinqwest.

Winners were grinners and in first place was Draughtsman,



3C METAL BELMET'S PORT NOLLOTH TEAM FABRICATE "MINION" FOR ARTS AND CULTURE EVENT

3C Metal Belmet's employees from Port Nolloth, South Africa, offered their artisanal skills to the Port Nolloth Heritage Day celebrations on Saturday, 24 September.

The team, although normally accustomed to heavy steel fabrication services, fabricated and painted a metal "Minion" figure (a character made popular by the Despicable Me

children's movies). The Minion was used to welcome guests at the festival's gate at Willem Koegelenberg Park.



3C METAL BELMET SPONSORS INTERNSHIP PROGRAM FOR PEOPLE LIVING WITH DISABILITIES

3C Metal Belmet is continuing its partnership with an external training service provider, LFP, to sponsor internships for young people living with disabilities.

3C Metal Belmet has chosen to sponsor individuals who are completing a year's learnership in Project Management. They were recently invited to visit 3C Metal Belmet's facilities in Cape Town to learn about the work the company does.

The sponsorship opportunities are part of 3C Metal Belmet's actions in support of the broad-based black economic empowerment (B-BBEE) program by the South African Government. Furthermore, 3C Metal Belmet are proud to support the ambitions of these young people as they forge their career pathways.



SOUTH AFRICAN TEAM CELEBRATES MANDELA DAY BY SUPPORTING CHILDREN FROM UNDERPRIVILEGED COMMUNITIES

In celebration of Mandela Day on 18 July, 3C Metal Belmet in Cape Town donated goods to Elundini Educare – an organization that provides specialized care to more than 120 children from local settlements in Cape Town who are underprivileged or live with developmental or physical disabilities.

Unique to any other school in the area, Elundini provides round-trip transportation, two meals, physiotherapy, and individualized teaching for every child on a daily basis. In order to maintain the exceptional level of care, Elundini relies on donations and sponsorship.

3C Metal Belmet donated enough food and household goods to cover Elundini for two months. A handful of employees visited the center on Mandela Day to deliver the donation. Each of the 95 children who were there on the day were given some delicious snacks and a picture of the South African flag to color in.



3C METAL BELMET AND CINCO ENGINEERING CELEBRATE WOMEN'S DAY IN SOUTH AFRICA

On Friday 5 August, female employees from 3C Metal Belmet and CINCO Engineering in South Africa were invited to a luncheon ahead of the National Women's Day.

National Women's Day marks the anniversary of the great women's march of 1956. On 9 August 1956, 20,000 women marched to the Union Buildings in Pretoria to peacefully protest against legislation aimed at tightening the apartheid government's control over the movement of black women in urban areas.

Today, the anniversary has become a day of celebration of women's courage and strength in South Africa.



CLOTHING DONATION TO SOUTH AFRICAN CHILDREN IN NEED

3C Metal Belmet South Africa recently donated supplies of children's clothing to Durbanville Children's Home in Cape Town.

Durbanville Children's Home provides residential, therapeutic and educational care to local children deemed as vulnerable. The home only receives a 32% subsidy

from the government and therefore relies heavily on the community for funds and donations.



THANK YOU !!!



Durbanville Children's Home would like to say thank you to 3C Metal Belmet for their donation of clothing for our children. We sincerely appreciate your donation and support of our home.



FLOOD RELIEF FUNDRAISER FOR PAKISTAN

In September, 3C Metal Middle East hosted a fundraising event for Emirates Red Crescent's flood relief appeal for Pakistan following the country's devastating floods.

Pakistan has recently experienced severe floods that have been described as the worst in the country's history. It is estimated to have impacted more than 33 million people.

In support of the appeal, 3C Metal held a fundraiser, selling chocolates and snacks in the office. Including a contribution from 3C Metal, employees raised 2,700 AED (\$US730) for the cause.

Emirates Red Crescent has been sending much-needed supplies to Pakistan and launched their "One Hand for Pakistan" appeal in order to help raise funds.



3C Metal

PAKISTAN FLOOD RELIEF FOR EMIRATES RED CRESCENT

This week, from Monday 25 September to Friday 30 September, 3C Metal are fundraising for the Red Crescent's "One Hand for Pakistan" flood relief.

Please give generously and help yourself to the treats!

ONE HAND FOR PAKISTAN

دائرة الشؤون الإسلامية والعمل الخيري
Islamic Affairs & Charitable Activities Department
PRHCE-000202787

الإسلام
الأمر
الإماراتي
EMIRATES RED CRESCENT

3C Metal

PAKISTAN FLOOD RELIEF FOR EMIRATES RED CRESCENT

Situation in numbers:

- 1,500** deaths including more than 550 children
- 33 million** Affected by heavy rains and floods
- 3,400,000** Children in need of assistance
- More than 7,600,000** Displaced people in need of assistance

Since June 14, 2022, there has been severe flooding in Pakistan caused by heavier than usual monsoon rains and melting glaciers that followed a severe heat wave. It has been described as the worst flood in the country's history.

On 25 August, Pakistan declared a state of emergency because of the flooding. By 29 August, Pakistan's minister of climate change said around "one-third" of the country was under water, affecting 33 million people. The government of Pakistan has estimated losses worth US\$40 billion from the flooding.

دائرة الشؤون الإسلامية والعمل الخيري
Islamic Affairs & Charitable Activities Department
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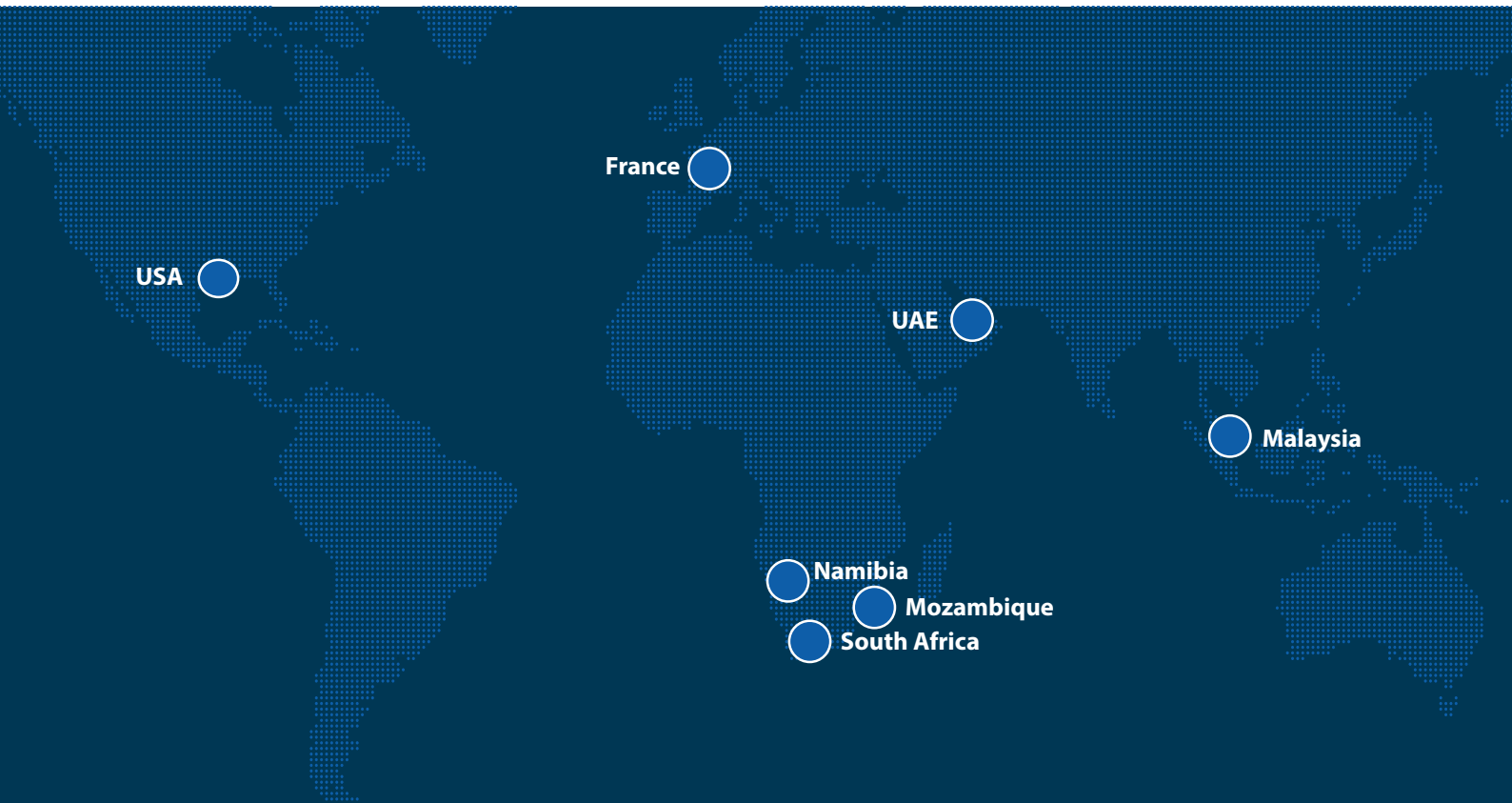
الإسلام
الأمر
الإماراتي
EMIRATES RED CRESCENT

3C METAL MIDDLE EAST CELEBRATES ONAM

On 8 September, 3C Metal's office and workshop staff in Dubai, UAE, celebrated the Indian Harvest Festival, Onam.

Onam is an annual festival with origins in the state of Kerala in India. Many of 3C Metal's Dubai-based employees took part in the celebration and enjoyed the impressive displays of floral ranogli throughout the office and workshop.





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