



IPLOCA

International Pipe Line & Offshore
Contractors Association



Captain No Zone

2018 IPLOCA Health & Safety Award



Consolidated Contractors Company

Thursday, May 10, 2018

Captain No Zone

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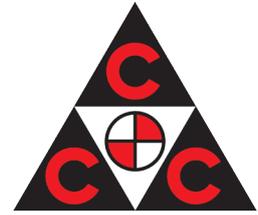
ABBREVIATIONS

CCC	Consolidated Contractors Company
HSE Group	Health, Safety & Environment Department, CCC
CNZ	Captain No Zone
JSTI	Job Safety Task Instruction

COMPANY PROFILE

Consolidated Contractors Company (CCC)

Consolidated Contractors Group, (better known as CCC), is a leading diversified company involved in construction, engineering, procurement, development and investment activities internationally. Over that pass 6 decades, CCC has predominately focused on construction, providing project management, engineering, procurement and construction services to the industry.



CCC has its managing office based in Athens, Greece, currently employs approximately 160,000 people in its worldwide operations composed of more than 80 nationalities.

- CCC is OHSAS 18001; 2007 certified with the highest level of commitment to **Health & Safety**.
- CCC is ISO 9001:2008 certified with the highest level of commitment to **Quality**.
- CCC is an ISO 14001:2008 integrated **Environmental** management system certified.
- CCC operates primarily in the Middle East, the Gulf Region, Africa, Europe, the Caribbean, Central America, USA, Australia, Papua New Guinea and South East Asia.

The construction activities that CCC is involved with includes:

- Heavy civil construction: power plants, bridges, highway interchanges, harbors, docks, and civil work for process plants and the petrochemical industry.
- Highways, roads and airports.
- Water and sewage treatment plants, pumping stations and related networks.
- Buildings and civil engineering works: power plants, desalination plants, water treatment plants, dams, reservoirs, water distribution systems, sewage treatment plants, collection networks and sports complexes.
- Housing, hotels, hospitals, educational institutions and airports (High quality Buildings and Green Designs).
- Roads, highways, bridges, flyovers and airport runways.
- Pipelines - slurry, oil & gas and water, pipeline earthworks, concrete works, pumping stations, booster stations, metering stations, launching stations, receiving stations, electrical works, instrumentation works, cathodic protection, pipe coating, welding, testing, commissioning and maintenance.
- Mechanical engineering works: Liquefied natural gas / petrochemical plants and refineries, oil loading and off-loading terminals, fabrication of platforms for off-shore facilities.
- Heavy and light industrial plants.
- Marine works: marine docks, harbors, deep sea berths and refinery terminals.
- Offshore installations: jackets, platforms and manifolds.
- Maintenance of mechanical installations and underwater structures: oil refineries, petrochemical plants, offshore structures and underwater works.

CCC Group Overall Manpower Worldwide



Introduction



Captain No Zone was an extra ordinary human being that can see into the future by visualizing upcoming incidents (accidents & near misses) thru his JSTI x-ray vision. He could also sense when someone was in danger from far away especially those who need help and safety assistance.

Our employees are our greatest asset and this is reflected in the company's core values. Ensuring our employees' health and safety is our primary goal. This is an endless mission and we in CCC are keen to achieve a high standard and remain a leader in safety in the construction industry.

"We believe that nothing is more precious than human life and well-being and ensure that all conceivable measures are taken when we conduct our business to strictly comply with the highest international health and safety standards for achieving the ultimate goal of protecting human life".

CCC has made Health and Safety a priority for many years and we remain determined to constantly enhance our safety strategy and provide the best protection to our staff. Our HSE Group offers high level Health, Safety and Environment support, direction, guidance and solutions to all CCC projects and operations globally.

CCC's excellence in construction is accompanied by an equivalent excellence in Health, Safety, and Environmental compliance. CCC is highly concerned with the health and safety of its employees and highly values the environment in which it operates and strives relentlessly to protect it. In this regard, CCC has an integrated management system certified for compliance with ISO 14001:2008 Environmental Management and OHSAS 18001:2007 Occupational Health and Safety Management.

The CCC workforce encompasses different nationalities, cultures, and backgrounds. In addition, different levels of education and qualifications can result in challenges when communicating HSE information and addressing HSE topics. The language barrier as well as the level of education of workers is a great challenge to communicate the correct message and ensure it is been understood accurately.

In an effort to overcome the barriers and effectively cascade HSE info and lessons to the workforce, the CCC HSE Corporate Department (HSE Group) introduced a new initiative that would communicate the HSE topic in a graphic and cartoon format. The name that was chosen was Captain No Zone (CNZ). The no zone emphasizing the "unsafe zones" that employees should avoid in terms of HSE.

The pictorial HSE initiative "Captain No Zone" was developed to improve awareness and urge CCC employees to think about safety. "Captain No-Zone" effectively draws employees' attention to control measures, safety barriers and help them fully understanding the task. This construction super hero emphasizes important HSE themes such as unsafe conditions and work accidents. On a monthly basis, a new adventure of "Captain No-Zone" is distributed and translated into several languages.

Description

Captain No Zone – Behind the Scenes

As a popular median to reach employees who ignore or find it difficult to read standard safety messages Captain No Zone Super Hero was created. The idea of using pictures instead of words to portray a safety message has been phenomenal.

Safety Campaigns and Education through the comic has been relayed to a huge number of employees. No other medium can compete with the comics for the transfer of information!

Even though the super hero comic is nothing new, there has never been a super hero comic focused on health and safety in the workplace and who could save victims from unsafe conditions or from the acts of others working in and around the same area. No comic book hero embodies safety ideals as does Captain No Zone.

As everyone in CCC knows the man with the “NZ” initial on his chest symbolizes “No Zone. Hence why Captain NZ is able to save people, due to his super hero abilities he possesses. He is able to withstand the hazards and risks without any safety protection, unlike normal human beings. There is no way for us to work in the danger zones unless controls measures and understanding of the task is first taken!

HSE Group took the initiative back in 2012 to develop Captain No Zone utilizing the CNZ Cartoonist and Graphic Artist. It takes on average 3 weeks to plan, design and develop the comic as most of the drawings are completed by hand. The artwork is extremely detailed and requires a lot of patients to put each scene together.

The concept of a ‘safety super-hero’ character improving awareness and molding the minds of CCC employees to work safely and become more familiarized with hazards of different job crafts is the essence of the comic. The Corporate HSE Department circulates this comic on a monthly basis and translates it into many different languages thus reaching a wide audience.



Content of Captain No Zone

HSE Department is deriving the content of the CNZ awareness program through the common HSE issues CCC encounter at its projects, in addition to the HSE alerts and lessons learned HSE Group circulates, CNZ pictorial awareness is also designed to convey similar message that would aid labors and other workers to better visualize and understand the hazards and its potential risk which led to certain accidents.

The CCC HSE Group is arranging monthly CNZ bulletins that are circulated to all projects and the HSE team at the project will communicate these lessons to the workforce through Tool Box Talks, Pre-task Safety Talks and Posting them across the projects in prominent locations.

The CNZ bulletin is also translated in several languages depending on the areas of operation and its local languages as well as the languages of the labors so as to better achieve HSE Lessons Communications and Understanding.

The below are some glimpses of CNZ bulletins:

The adventures of
Captain No Zone
Avoid Workplace Tripping Hazards

Edition 22



A tripping hazard was spotted in Building 24 by CNZ. The personnel didn't notice the unsafe condition in their work area...



1

CNZ dropped by to conduct an immediate toolbox talk on how to eliminate slip, trip and fall hazards in the workplace!



2

Reasons why employees slip, trip and fall is because of poor housekeeping or a change in the environment. Sometimes unnoticeable until accident occurs.



3

Sometimes extension cables laying untidily in the path way and uncovered or filing cabinet drawers left open...



4

Common Causes Of Slips, Trips And Fall:

- Untidy or cluttered work areas
- Tools , materials, cords, and other items lying on the floor in places where people walk
- Poor visibility caused by inadequate lighting
- Not concentrating on where you're going
- During manual handling task and you can't see over the top
- Running or walking too fast
- Chemical Spillages and wet floors
- Open drawers (a not so-obvious tripping hazard!)
- Uneven or defective flooring, worn stairs, or worn spots in carpets that nobody has reported or fixed
- Failure to use handrails where going up or down the stairs
- Rushing to ascend or descend on ladders
- Wearing shoes that are not appropriate for the job or workplace

5

Prevent And Eliminate Tripping Hazards:

- Keep working areas neat and tidy. Put tools, materials, and other item away after use
- Pick up items off the floor, even if you didn't put them there. Be kind and work as a team!
- Walk around obstructions, not on them.
- Do not cross barricading unauthorized
- Walk slowly and change direction slowly, especially when carrying a load.
- Watch for changes in floor level, such as a few steps or ramp up or down
- Report lighting problems, such as low lighting or burned out bulbs, to maintenance
- Cover cables in walkways and post signage
- Don't leave boxes, bags, tools or other materials on the floor, in aisle or pedestrian pathways
- Don't leave cabinet drawers open
- Don't block walkways with pallet trucks, trolleys, equipment or materials, etc.

6

Slip, trip and falls can happen anywhere in your workplace. It can result in falls, possibly disability or death!

7

Many of the fall injuries occur on ground level when people trip over unexpected objects in their path. Help eliminate trip hazards by training employees to follow the simple do's and don'ts...

- Always keep your cabinet and drawers closed
- Always hang wires and cables overhead or cover with over-floor protector

8

Captain No Zone Says:

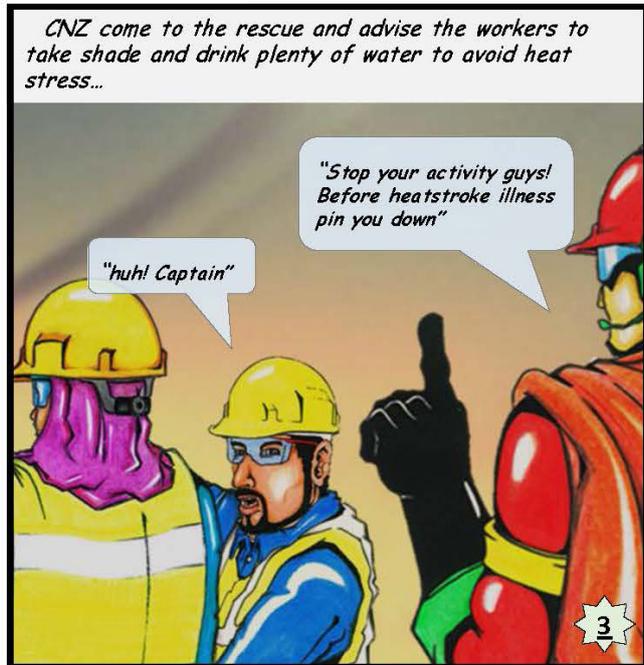
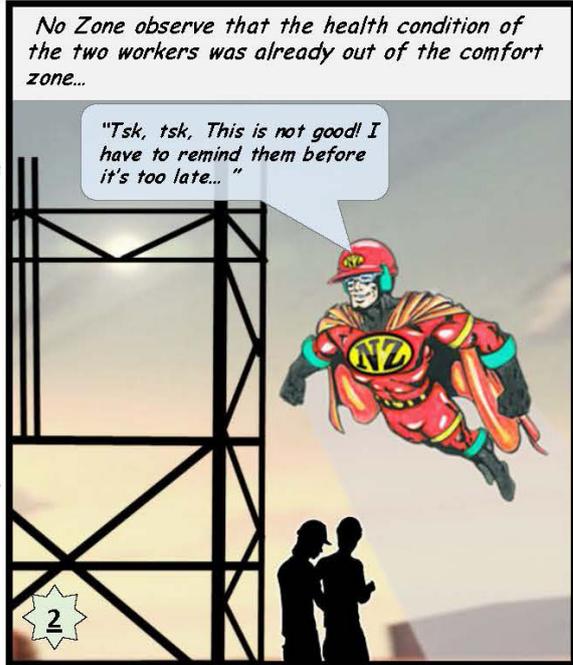
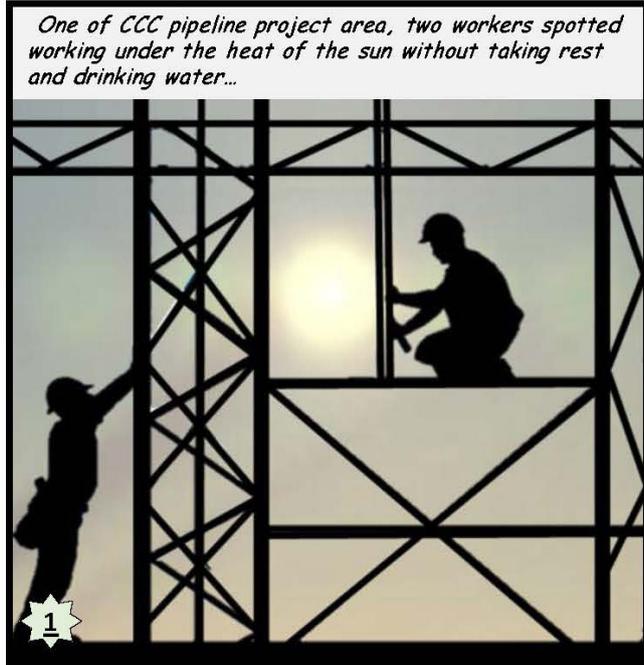
Eliminate the tripping hazards in your workplace before started the job....

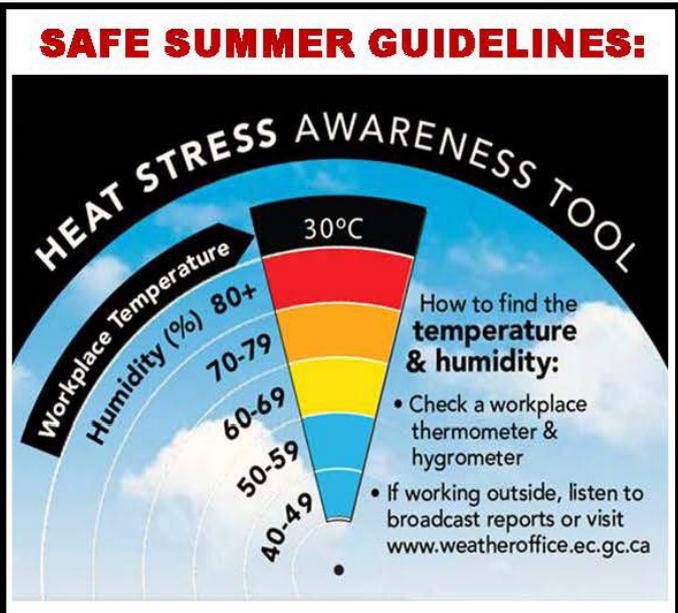
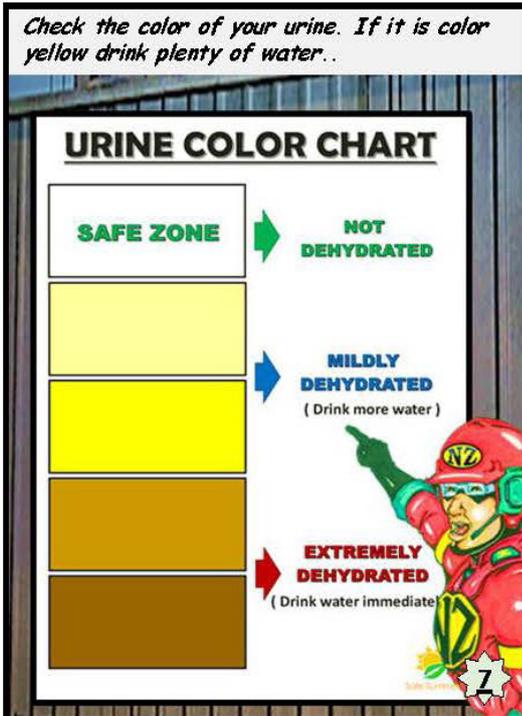
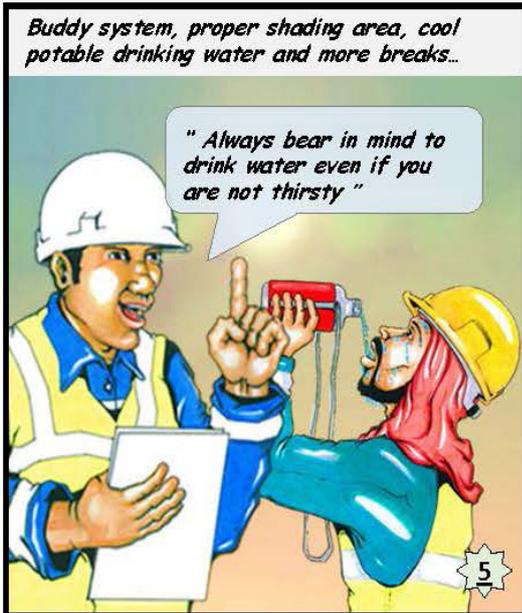
"The safest risk is the one you didn't take "

Don't missed the upcoming adventures of Captain No Zone!

The adventures of
Captain No Zone
Heat Stress Safe Summer!

Edition 38





HEAT STRESS ACTION CHART:

Conditions/actions listed below apply to **unacclimatized workers**. Never ignore symptoms. Refer to *Heat Stress Awareness Guide* for extra clothing and/or radiant heat conditions.

HUMIDEX	ACTION RECOMMENDED
LOW 30-37	<ul style="list-style-type: none"> • Post heat stress alerts • Drink water
MEDIUM 38-39	<ul style="list-style-type: none"> • Reduce physical activity (e.g., slower pace, more breaks) • Drink a cup of water every 20-30 minutes
MODERATE 40-41	<ul style="list-style-type: none"> • Further reduce physical activity • Drink a cup of water every 15-20 minutes
HIGH 42-44	<ul style="list-style-type: none"> • Severely curtail physical activity • Ensure sufficient rest/recovery time • Drink a cup of water every 10-15 minutes
EXTREME 45+	<ul style="list-style-type: none"> • Hazardous to continue physical activity

6



Achievements

The CNZ practices have proven to be very effective and smart solution that will definitely help uneducated labor to understand the nature of the hazards surrounding them, it made it very easily to visualize and grasp the hazards associated with activities and how to avoid them through safe practices.

The fact that Captain No Zone Initiative is simulating an extra ordinary human being that can almost see into the future by visualizing upcoming incident (accidents & near misses) thru his JSTI X ray-vision has helped HSE team to effectively cascade down the HSE lessons and have the workers better understanding them.

The CNZ program have also saved a lot of time instead of providing prolonged HSE Training Classes that can make employees with languages barriers to bore and lose focus.

Also, the CNZ Practice has significantly helped the workforce to learn some technical terms related to their activities as illustrations for some machines, tools, and equipment are addressed within the bulletins, this will help the labors and employees to have the correct naming for both equipment and activities

Challenges

Although the idea apparently seems to be simple and easy, it takes a lot of time to arrange and prepare the specific material, the exercise encounter few challenges which CCC will overcome in the next few years to better create the pictorials awareness as well as present material with higher resolution.

- Hand-writing & drawing is time-consuming.
- The picture resolution sometimes is not good enough to be printed on big boards and banners.
- A weak HSE culture in some areas can lead to mistakenly perceive the comics as “Juvenile”.

Conclusion

The CCC HSE Group always endeavors to operate in diligent, professional and responsible manner consistent with world class companies and aligned with its stated HSE business goals and policy.

CCC is committed to carrying out such initiatives and practices and to upgrade its qualities by utilizing technology solutions and software that will not only provide high resolution pictorial CNZ bulletins but will also aid in preparing the material faster and easier. The HSE Group will enable the CNZ Artist to draw the cartoons using smart pens and touch screens on dedicated machines and software. The idea of having animated graphic content will be also studied to better communicate the HSE lessons and Info.

It's worth mentioning the CNZ initiative is been very well embraced in our CCC Projects. The HSE Group has managed to provide 57 publications so far since it was first developed. CNZ can be found in various prominent locations within CCC project sites and some projects have fabricated wooden boards in the shape of CNZ to communicate our HSE Golden Rules and Practices. In addition, he is used to post speed limits and required PPE.

We will continue to evaluate other uses of CNZ to communicate important information.