



CLIMATE CHANGE AND OCCUPATIONAL HEALTH & SAFETY

BACKGROUND

The planet's average surface temperature is estimated to have risen about 1.62 degrees Fahrenheit (0.9 degrees Celsius) since the late 19th century, a change driven largely by increased carbon dioxide and other human-made emissions into the atmosphere.

Workers in many occupational and industrial categories already experience climate- and weather-related hazards in their jobs. The increasing frequency, duration, and severity of extreme weather events and other developments caused by climate change will exacerbate these hazards and affect a broad range of workers in terms of their safety at work. Increased temperature, extremes of precipitation, increased air pollution, the spread of vector-borne disease, and other health threats due to climate change will impact many groups of workers.

Climate change therefore, has increased the risk to workers' health and safety. Workers, especially those who work outdoors or in hot indoor environments, are at increased risk of heat stress and other heat-related disorders, occupational injuries, and reduced productivity at work.

In a framework for identifying how climate change could affect the workplace, Paul A. Schulte and Heekyoung Chung, based on a review of some published scientific literature from 1988–2008 that includes climatic effects, their interaction with occupational hazards, and their manifestation in the working population, seven categories of climate-related hazards were identified as; (1) increased ambient temperature, (2) air pollution, (3) ultraviolet exposure, (4) extreme weather, (5) vector-borne diseases and expanded habitats, (6) industrial transitions and emerging industries; and (7) changes in the built environment.

The Sekondi-Takoradi Chamber of Commerce & INDUSTRY (STCCI, a Business Association with a number of functions and services all seeking to promote business



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growth in Ghana, intends to facilitate the creation of a world-class corporate safety system

and culture in Ghana and in quest to contribute to the achievement of the UNDP's Sustainable Development Goals 3 (Good Health and Well-being), 8 (Decent Work and Economic Growth) and 13 (Climate Action), been holding an Annual International Safety Conference dubbed "Ghana Industry Safety Conference" (GHISCON) since 2015.

The aim of this conference is to;

- Examine the impact of Climate Change on Occupational Health and Safety, and advance strategies for reducing its impact on the safety and health of workers.
- Encourage all stakeholders concerned, to immediately start integrating the climate change impacts that are already perceptible, or that can be anticipated, in their occupational risk assessment approaches
- Promote awareness of the effects of climate change on Workplace Safety, through information sharing and training

A strong focus on regulatory reforms, legislation and compliance will feature throughout this year's conference as climate- and weather-related hazards at the workplace keep increasing.

SUB-TOPICS:

- Regulations and guidelines for the prevention of climate change-related occupational hazards.
- Establishing plans for mitigating, responding, and adapting to the current and anticipated impacts of Climate Change on Workplace Safety.



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- Climate Change Related Occupational Diseases: Prevention Policies and Strategies
- Acclimatization Methods and Procedures
- High Heat Procedures
- Guidelines for Working at Height Under an Uncertain Climatic Conditions
- Skin Safety for Outdoor Workers
- Technology and Continuous Improvement for Emergency Response Plans
- Occupational Health Psychology and Work Environment
- Climate Change and Health & Safety: A Reality or a Myth – Panel Discussion
- Using Climate information and patterns in designing EHS systems to achieve greater impact.
- Managing Occupational Heat Stress and Productivity Impact
- Air Quality Related Stress at Work and Productivity
- Sustainability Compass: Climate Resiliency, Supply Chain and Safety Metrics
- Assessing and Managing Risks of Natural Disasters for a Workplace
- Protecting Workers from Occupational Exposure to Isocyanates
- Indoor Air Quality Issues During Construction and Renovation Projects
- Environmental Liability - What Every Safety Professional Should Know
- Building an Ideal Safety Culture
- Using Prevention through Design to Improve Workplace Safety
- Offshore Operations: Working Safe to Reduce the impact of climate change offshore
- Mitigation, Policy Options and Strategies, and their Impact on the Achievement of the Sustainable Development Goals (SDGs)
- Zero Harm Culture: It's a journey



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- Protecting Factories Electrical Enclosures from Excessive Atmospheric heat

DATE AND VENUE

The two-day conference will take place from 25th to 26th September 2019.

The conference will be held at the Best Western Plus Atlantic Hotel in Takoradi.

REGISTRATION FOR ATTENDEES

Registration for participation is open and can be done online:

www.ghanasafetyconference.org

TRADE SHOW BOOTHS

The Conference will feature a number of trade show booths allowing companies to showcase their work processes, products, services etc. Please contact us if you are interested.

EVENT ORGANISER

The Ghana Industries Safety Conference – GHISCON is organised annually by the Sekondi-Takoradi Chamber of Commerce & Industry (STCCI). STCCI is the leading private-sector Association in the Western Region of Ghana (visit www.sekonditakoradichamber.org for further details).

STCCI has over 950 members from the private-sector with about 90% of them from the Western Region with the remaining 10% from the other nine regions of Ghana. Member firms of the chamber is drawn various sectors of the National Economy i.e. Mining, Oil & Gas, Construction, Telecommunication, Hospitality, Real Estate, Manufacturing, Fabrication, Agri-Business, Transport & Logistics, Banking, Insurance etc.



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PARTNERS

Ministry of Employment & Labour Relations: The Ministry of Employment & Labour Relation is the responsible Ministry for issues relating to labour in general and workplace safety. Given the importance of workplace safety to this Ministry, the Ministry in 2017 officially adopted the Conference and became a partner. The Ministry subsequently proposed the change of the name of the Conference from the Ghana Extractive Industry Safety Conference (GEISCon) to Ghana Industry Safety Conference (GHISCON)

International Labour Organisation (ILO): In 2001, the International Labor Organization published ILO-OSH 2001, also titled "Guidelines on occupational safety and health management systems" to assist organizations with introducing OSH management systems. These guidelines encourage continual improvement in employee health and

safety, achieved via a constant process of policy, organization, planning & implementation, evaluation, and action for improvement, all supported by constant auditing to determine the success of OSH actions. As the UN organization responsible for providing guidance and guidelines for occupational Health and Safety, ILO is partnering STCCI in this event.

Republic Bank (Ghana) Limited The Republic Bank (Ghana) Limited has been a partner of this annual conference since 2016 as the lead Sponsor. Their partnership stems from their background as the largest bank in the Caribbean Region and the largest Financial partner of the Energy Sector of Trinidad & Tobago. Hence their deep understanding of Extractive sector leading to their willingness to partner local business support organisations such as STCCI to develop local capacities in the extractive sector.

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Hamburg Chamber of Commerce (HKH) The Hamburg Chamber of Commerce (HKH) and the Sekondi-Takoradi Chamber of Commerce & Industry (STCCI) have a partnership agreement that seeks to help STCCI develop technical capacity to deliver its functions in an efficient manner.

The Hamburg Chamber of Commerce and STCCI, have concluded a chamber partnership project with the objective of improving the organization and services offered by STCCI. With the Phase I of the Project running between 2015 and 2018, we are currently in the phase II of the project which is expect to end in August 2021. The project is embedded in the Partnership Program for Chambers and Business Associations, which is financed by the German Federal Ministry for Economic Cooperation (BMZ) and managed by sequa gGmbH. <https://www.hk24.de/en>

Energy Chamber of Trinidad & Tobago: STCCI is being supported technically in the organisation of the event by the Energy Chamber of Trinidad & Tobago, under the

auspices of a memorandum of understanding signed in January 2013. The Energy Chamber of Trinidad & Tobago organises a very well respect annual Energy Conference (held since 1988) – further details are at www.ttenergyconference.org. The Energy Chamber is providing advice and support to STCCI in the planning and execution of the conference.

Houston Area Safety Council (HASC) The Houston Area Safety Safety Council (HASC) partners STCCI in its quest to develop and promote the Occupational Health & Safety culture of STCCI member firms by sharing its online EHS learning and

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assessment platform with STCCI. It also provides other technical support and speakership to GEISCon. www.hasc.com

HYBRID DGM Ghana Ltd: Hybrid DGM is an organization devoted to packing, storage and transport, consulting and professional training in the field of moving dangerous goods and operating in accordance with the global safety standards: The rules and regulations of IATA/ICAO – IMO – ADR – RID, for the safe handling and transport of hazardous goods. DGM's roots are in oil and gas operations providing advice on the transportation of commercial explosive and the interpretations of international rules and regulations (IATA versus ADR, and versus local rules, laws and government decrees, etc.) www.dgm-ghana.com

Given the expertise of Hybrid DGM in the area of dangerous goods management, Hybrid DSGM and STCCI have partnered to organise GHISCON 2019.

SPONSORSHIP

GHISCON 2019 offers four different sponsorship packages for interested companies and organisations. Details can be found in the attached document.

Participation as a sponsor will provide your company with an outstanding opportunity of being at the centre of the event through branding to network with both local and international industry leaders, experts and other key stakeholders in the extractive

sectors. In addition, sponsorship will provide your organisation with an opportunity to communicate your marketing message and enhance your brand.

Please don't hesitate to contact us.



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BUSINESSES TO BENEFIT FROM SPONSORSHIP

- ✓ Oil and Gas upstream operating companies
- ✓ Oil and Gas downstream operating companies

- ✓ Oil Marketing Companies
- ✓ Mining Companies
- ✓ Downstream plants, power generation and petroleum distribution companies
- ✓ Oil and gas service and operation companies
- ✓ Mine suppliers and service companies
- ✓ Manufacturing companies
- ✓ Financial institutions
- ✓ HSE consultancy or training institutions
- ✓ Logistics & Transport Companies

SPONSORSHIP ENTITLEMENTS AND BENEFITS

MARKETING THE CONFERENCE & TRADESHOW

To ensure maximum attendance at the Conference, Workshop and Tradeshow, the event will be promoted through:

- Direct e-mail to over 1000 email addresses of Chamber members and other associated companies, including all the major extractive sector companies in Ghana.
- Direct e-mail to several thousand members of all other business associations/organisations affiliated with the STCCI,



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- Direct e-mail to members of sister chambers of commerce & industry and partner organisations worldwide.
- Conference promotion on the STCCI's website and affiliated organisation websites.
- Tele-marketing to Chamber member companies and other associated companies, including all of the major extractive sector companies in Ghana.
- Advertising in news media including television, newspapers and radio station
- Be featured in all promotions via social media

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