

SAHTECH

財團法人安全衛生技術中心
Safety and Health Technology Center

2024

年報

Annual Report





財團法人安全衛生技術中心 2024 年報

沿革

財團法人安全衛生技術中心（SAHTECH）於 2007 年 1 月獲得主管機關勞動部（原行政院勞工委員會）審核認可，並於 2007 年 2 月經法院公證後，於 2007 年 3 月 1 日正式成立。本中心定位為安全衛生整合技術與管理系統服務提供者、為政府部會的優質智庫與產業永續發展的好伙伴、國際標準制定與推動者，並結合保險保全業創造客戶價值。本中心期許能成為亞太地區先進的安全衛生環保技術研發與創新服務機構。

本中心同仁學歷約有 18%博士、56%碩士，團隊成員安衛相關實務年資平均 20 年以上，領有工安技師與合格職業安全衛生專業證照者有 40%。主要研發與服務項目包含高科技安全、化學品安全、製程安全、機電安全、綠能安全、風險管理、安全節能、企業營運持續管理、環安衛管理、產物保險損害防阻、有害氣體監控、生物安全等設備開發、軟體設計與系統建置。

本年報印製日期 04.2025

第六屆 董監事成員（2022~2024）

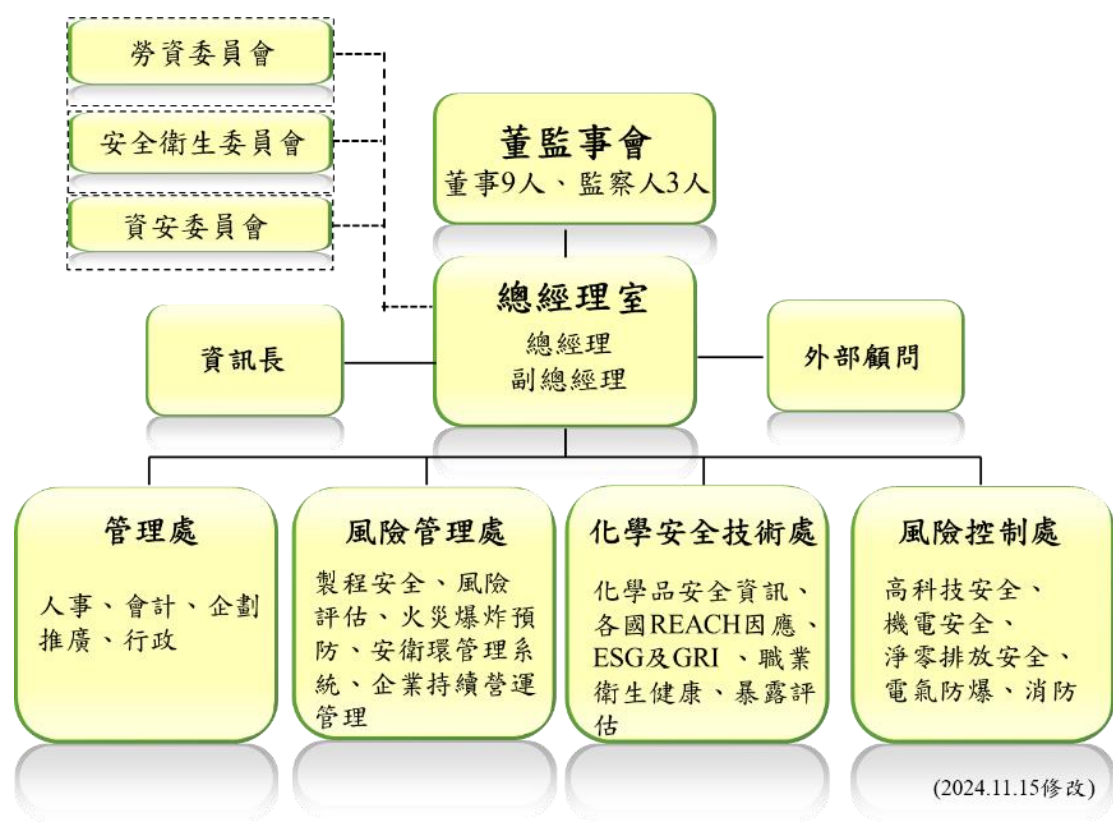
董事長	于樹偉博士（安衛中心董事長，前工研院環安中心主任）
董事	余榮彬博士（安衛中心總經理，前工研院環安中心副主任）
董事	傅武雄博士（前交通大學工學院副院長）
董事	戴基福先生（中華民國工業安全衛生協會榮譽理事長、前勞委會勞工安全衛生研究所長）
董事	施延熙先生（前工業局組長）
董事	林金穗先生（富邦產險公司資深副總經理）
董事	陳哲郎先生（李祖原聯合建築師事務所副總經理）
董事	陳文龍先生（前內政部消防署長）
董事	趙坤郁醫師（前衛生署國健局副局長）
監事	賴世龍先生（常務監事，典試科技股份有限公司總經理、台北市工業安全衛生器材商業同業公會創會理事長）
監事	黃建彰博士（安衛中心副總經理，前工研院環安中心組長）
監事	陳俊瑜博士（前經國管理暨健康學院校長）

第七屆 董監事成員（2025~2028）

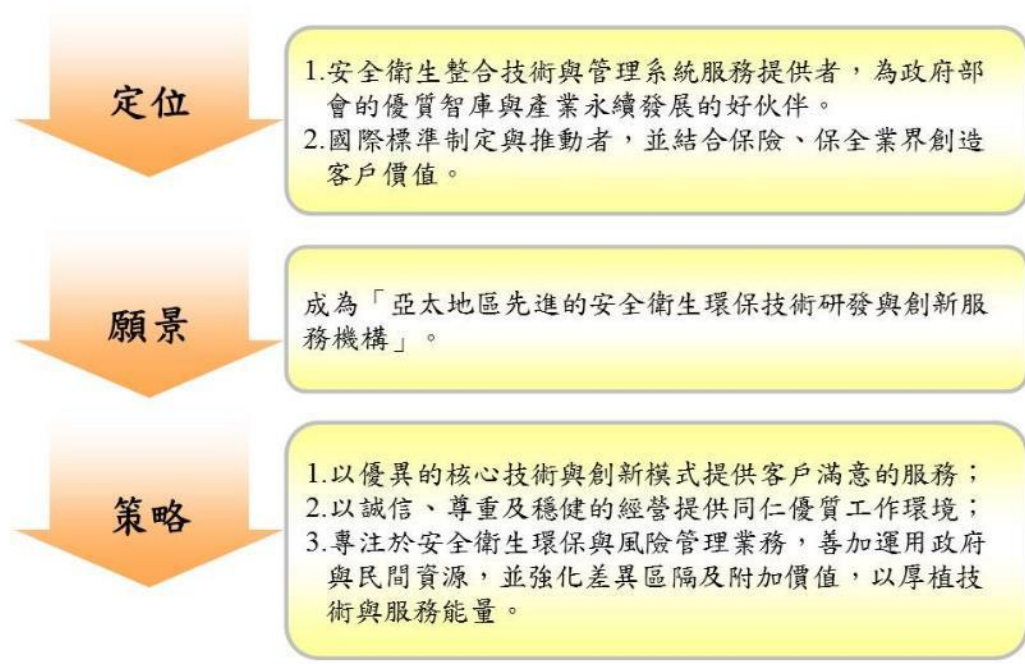
董事長	余榮彬博士（兼安衛中心總經理，前工研院環安中心副主任）
董事	黃建彰博士（安衛中心副總經理，前工研院環安中心組長）
董事	傅武雄博士（前交通大學工學院副院長）
董事	湯大同先生（中華民國工業安全衛生協會理事長、前勞委會勞安所組長）
董事	許金泉先生（富邦產險董事長）
董事	陳哲郎先生（李祖原聯合建築師事務所合夥建築師）
董事	陳文龍先生（前內政部消防署長）
董事	趙坤郁醫師（前衛生署國健局副局長）
董事	李政憲博士（安衛中心處長、前工研院能環所研究員）
監察人	賴世龍先生（常務監察人，典試科技股份有限公司總經理、台北市工業安全衛生器材商業同業公會創會理事長）
監察人	陳俊瑜博士（前經國管理暨健康學院校長）
監察人	周登春先生（前高雄市勞工局長、前勞動部職安署副署長）

榮譽董事長 于樹偉博士（前安衛中心董事長、前工研院環安中心主任）

組織架構



經營理念




2024 經營績效

財團法人安全衛生技術中心在 2024 年持續運用智慧科技提供高品質的技術服務，協助政府因應國際發展趨勢推動職安衛永續發展、小企業安全衛生改善、職場致癌化學品管理、菸品健康風險管理、化工製程安全、機電系統安全等相關計畫。也利用委託服務協助半導體、電子、綠能、機械、石化、化材、統包工程服務及其他相關企業，設計與營運朝向淨零排放更安全的廠房、設備、製程、工作環境與管理系統。在 2024 年配合政府委辦或自行辦理的研討會與訓練班約 160 場，業界參與受訓人員合計約 15,000 人，並臨場協助約 1,400 家事業單位。

本中心與工研院材化所及學界合作測試評估鋰電池及其充電系統安全，調查多起鋰電池儲能系統事故，與瑞士再保於其亞洲工程研討會中共同說明鋰電池儲能設備安全評架構及要求。持續與工研院綠能所及台灣優力國際安全認證(UL Solutions)合作，培訓廠房防爆電氣監工 170 人、專業施工 95 人及勞動檢查員 45 人。協助勞動部職安署發布金屬研磨加工產業危險區域劃分指引，也協助改善工業機器人產線安全衛生約 150 廠次。

本中心協助職安署公布健康勞動力-GRI 綜合準則揭露實務建議指南，包含職業健康與安全、供應鏈夥伴、永續策略及人力資本、盡職人權、幸福職場、永續職涯等勞動相關主題，另更新 GRI403 實務指南，新增交通運輸業及鋼鐵業自主評量工具。2024 年參與「企業永續報告公開職業健康與安全指標」自主評量與上傳資料的上市上櫃公司約有 1,100 家，分組後共有 14 家獲「健康勞動力永續領航企業」表揚。也提供 ISO 45001 職業安全衛生管理、ISO 31000 風險管理、ISO 22301 企業營運持續管理、GreenScreen[®]化學品綠色篩選等技術服務，協助企業展現 ESG 績效。本中心擴大協助半導體廠之鄰近化學品循環減量回收設施的製程安全與消防安全設計，以協助高科技業順應 2030 年聯合國永續發展目標及我國 2050 年淨零排放目標。

本中心協助職安署發表事業單位網路版 HAZCOM 一鍵辨識工具，協助事業單位以照相辨識 GHS 容器標示及化學品安全資訊，已被安裝於手機、筆電、平板等裝置超過 6,300 次；並辦理化學品供應商混合物 SDS 製作及下游使用商 SDS 查核能力提升訓練。也協助職安署推動相關業務，包含優化管理化學品報備審查及其修法、管制性化學品許可管理、化學品商業機密保




護等作業，以及擴充化學品資訊應用管理平台支援管理決策，並持續臨場輔導及複訪 CMR 物質使用量較多之事業單位約 625 廠。本中心配合跨部會決議，參與經濟部標準檢驗局參考聯合國 GHS 第 8 版修訂 CNS 15030 國家標準，並協助職安署預規劃配套措施，包含修法、教材修訂、混合物危害分類專家系統建置等。

本中心持續協助政府相關部會提升化學品管理制度，並多次於國際研討會及亞太經合會（APEC）中，分享我國化學品管理經驗，也受邀參與歐盟化學署（ECHA）與美國環保署共同舉辦之非測試方法 CHANGE Project 挪威奧斯陸會議。赴韓國濟州與技術合作夥伴韓國環境部化學管理協會（KCMA）及日本經產省行政法人製品評價技術基盤機構（NITE）交流化學品管理工具及推動經驗。本中心協助衛福部國健署管理菸品中化學物質毒理資訊申報資料，約計受理菸品申報 460 家次（105 家業者）及 8,900 項次，另協助菸品成分資料申報系統及網站更新管理，及支援指定菸品健康風險評估審查。協助經濟部產發署辦理國際 REACH 法規新知更新與廣宣，參與農業部防檢署化學農藥風險減半十年計畫，約收集分析 6,545 筆市售產品之危害特性及風險，支援辦理講授施藥人員安全防護訓練，約有學員 2,660 人，協助落實農藥分級管理以降低風險。

本中心協助職安署推動製程安全管理集合輔導及臨場輔導約計 140 廠次。協助評估修正勞動檢查法施行細則所列危險物及有害物種類與數量，並收集有關製程安全管理績效、人工智慧風險管理、製程安全人為因素，及火災風險評估國際相關法規與實務。本年度建置常用 200 種化學品官能基不相容性資訊；另針對 3 種常見設備材料，包含鋁、鎳合金、非金屬，也建立化學品不相容性資訊，合計 150 項以上。辦理製程安全評估人員訓練，包含業界 90 人、勞動檢查員 27 人及內部稽核員 60 人。

製程安全技術對半導體及先進封裝等相關科技業之服務，包含矽甲烷、過氧化氫、氯、磷化氫、砷化氫、氯化氫、氟化氫、氫氣等供應系統之製程後果模擬、防爆區域劃分、安全控制及消防。對石化與其他產業之服務，包含氨、甲醛、丙烯腈及其他特定化學物質與公共危險品之製程、設備及儲存場所的量化風險評估與改善設計。本中心持續與工研院材化所合作，以腐蝕防護、危害與可操作性分析、故障樹分析、儀錶系統安全完整性等級（SIL）、保護層分析（LOPA）等技術服務客戶，包含產險公司。本中心也提供製程




安全評估、擴散模擬、變更管理、機械完整性、內部稽核與訓練等服務。

本中心提供無塵室安全技術服務，包含利用三維流場模擬火災煙霧控制策略及人員避難模擬、佈設製程區化學火災危害偵測系統、以智能通風消滅潛在缺氧危害、以紅外光量測技術調整製程機台與化學排氣櫃較適安全節能排氣、以國際消防與產險標準精進廠房安全等。設備與廠務安全，包含超臨界流體設備安全服務，並運用 SEMI S2、S6、S10、S18、S22、S23 等規範，以及機台防震、設備源頭安全等設計原則。也擴大參與科技廠於日、德等國建廠安全、操作中無塵室火災模擬與煙霧控制，以及化學品合規性諮詢。本中心參與彈藥及奈米碳管等相關製程安全評估，也應用監測技術協助生技製藥廠評估暴露風險，並參與設計高安全規格之新廠。

本中心提供電氣安全、化學品暴露評估、職業健康管理等工業服務，協助客戶提昇安衛環、消防與能源管理績效，技術工具包含電力負載紅外線熱影像、設備接地電阻、超音波測漏、職衛暴露危害等量測或評估。本中心利用成份分析、火災鑑定、事件樹分析、反應組合不相容性分析法等技術及自有軟體工具，協助產物保險公司調查火災、水損等理賠案件，包含半導體廠、太陽光電發電場域、貨櫃輪、高爾夫球廠、學校實驗室、物流倉庫、高級飯店，以及具有鋰電池設施之場所等。本中心協助台商海外廠房增進防火防災量能及企業營運持續管理，以提升營運韌性，也協助廠商因應國家化學品管理制度提交環境部化學物質管理署之化學品安全評估報告，包含定量毒理推估，累計約有超過 400 份報告經審查通過。

本中心協助職安署與歐盟職安署(EU OSHA) 線上辦理年度雙邊交流會。協同職安署參訪位於西班牙 EU OSHA 總部、位於海牙荷蘭社會事務及就業部等單位；協助職安署與國際勞動檢查協會(IALI)於台北辦理 2024 年勞動檢查實務經驗國際研討會，邀請西班牙、英國、美國、泰國等專家來台交流；並參與 IALI 網路會議，持續協助職安署收集國際勞動檢查新興議題與動態。

本中心協助職安署運作三區 TOSHMS 促進會，包含觀摩會、實務手冊編製、職安衛攝影競賽、年度大會等；辦理驗證機構稽核員訓練約 210 人，共同提升約 960 家通過驗證的事業單位的職安衛管理績效。協助勞動部推動政府機關推動職業安全衛生績效評核及輔導作業，也管理提報工安週運作事業單位約 650 家之實施報告。協助國科會新竹科學園區管理局辦理企業職業安全衛生及風險管理實務訓練，約培訓 545 位人員。協助中華郵政、工研院、




陽明交大等機構提升安全文化並增進工作場所安全衛生，也協助職安署開發安衛智能幫手，包含「智能圖庫」及「智能點檢」，提供中小企業運用並推廣安衛危害預防知識，提供 10 種常用機械之危害點檢 QR code，並可匯出自動檢查項目及檢查週期清單，已被使用 4.1 萬餘次。支援縣市政府並協助訓練 470 位輔導員，對 1.1 萬家 100 人以下之小型與微型企業提供 17,800 廠次臨廠職安衛危害改善輔導，87% 受輔導企業勞工數為 30 人以下，其中約有 35% 聘有外籍移工或原住民族勞工，勞保職災每 3 年約減災 25%。

本中心為推廣安全衛生應用技術與管理實務，2024 年舉辦之研討會與訓練班內容涵蓋職場永續健康與安全 SDGs 揭露實務、鋰電池儲能系統與作業安全、風險評估與科技防災技術、太陽光電與儲能建置維護安全、屋頂作業防墜安全、甲類工作場所製程安全管理、製程安全管理內部稽核員訓練、製程安全事故案例與防災對策、工廠安全關鍵性設備篩選實務、化學品源頭廠商危害資訊管理、安全資料表查核、危害性化學品分級管理、化學品危害分類標示與通識、職場化學性危害進階暴露評估、優先管理化學品之指定及運作報備、農藥施用人員安全防護、菸品資料申報及健康風險評估、防爆電氣配線施工與監工、防爆危險區域暨劃分軟體應用、協同作業機器人安全評估、外籍移工安全衛生實務、ISO 45003 職場心理健康風險與關懷、CNS 45001 職安衛管理系統與促進會系列講習、縣市中企業工作環境改善與安衛家族訓練等。

本中心網站及協助政府經營維運的計畫網站，如中小企業安全衛生資訊網、台灣職業安全衛生管理資訊網、廠場化學品重點管理資訊網、國際化學品政策宣導網、農藥標示暨 GHS 化學品全球調和制度資訊網、GoChem 企業化學品管理資訊網、製程安全管理資訊應用與交流平台、臉書粉絲專頁等，每月瀏覽人數約 280,000 人。也定期發行國際化學品法規電子短訊、中小企業安全衛生電子報等，利用電子郵件、行動通訊 APP 與網路社群分享新知。

本中心積極贊助、參與安全衛生永續技術相關公益促進活動，如職業衛生暨職業醫學國際學術研討會、台灣安全文化學術論壇、台北國際防火防災應用展暨工業安全與管理研討會、台灣化學產業協會高峰論壇暨展會、超臨界流體技術應用與發展研討會、台灣化學會年會、氣膠國際學術研討會、PM2.5 控制與淨零永續碳中和實現路徑研討會、亞太光觸媒標準暨研討會等。參與台灣化學產業協會共同贊助 LIS 情境科學教材公益機構，製作國中綠色



化學科普教材。也頒贈第七屆「財團法人安全衛生技術中心獎學金」，獎勵 17 位大專院校學生修習安全衛生相關課程及參與相關專題或論文研究。

本中心 2024 年員工 51 人，技術服務營收約 1.86 億元，其中約有 53% 的經費來自業界。附件一為 2024 年大事紀，業界委託計畫則因保密協定未列於年報中。業界客戶除數家知名顧問公司及國際產物保險與公證公司外，也包含台積電、美光、聯電、華邦、旺宏、世界先進、元太科技、智邦科技、光寶集團、聯合再生能源、東京威力、漢民科技、台灣應材、京元電子、中華精測、優貝克、英特格台灣、漢鐘真空、弘塑科技、博士門、愛德華先進、達邁科技、住友精密、弘晟展業、晁晟奈米、奇菱科技、順德、中華化學、台塑、南亞塑膠、台塑勝高、長春石化、奇美實業、台耀、台灣日酸、盛德科技、默克先進、台灣福興、永光化學、勝一化工、中鼎化工、巨菱精密、台橡、申豐特、日立先端、普利司通、宇榮高爾夫、信越、愛迪科、富士電材、藥華藥、美時化學、法蘭摩沙、永豐餘、光隆實業、三菱商事、現代工程、中鴻鋼鐵、立盈環保、成信實業、中華郵政、臺灣菸酒、佳辰科技、住華顧問、英國標準協會北美顧問公司、常在國際法律、賽維特保險、怡安保險、達信保險經紀、國泰世華、台伸行興業、高鐵、成大、陽明交大、中央大學、台大、中科院、工研院、資策會等。

本中心以關懷回饋「安全衛生及永續發展」為理念，不僅積極協助政府推動相關工作，也協助產業界提升技術能量與發展產業自發之安全衛生及永續發展指引，將持續贊助相關公益事務，期能善盡企業社會責任。

活動照片



2024.01 防爆施工班高雄專班-林慶峰
資深技術經理(前排左三)



2024.02 年度策略規劃會議



2024.02 秘魯利馬 APEC CD SOM I 化學對話(CD)會議-陳佳君經理(右三)



2024.03 CMR 物質訪視輔導-葉文澤工程師(左)



2024.03 地方政府中小企業安衛輔導員
南區訓練-林瑞玉處長(前排右三)、台南
市勞工局王鑫基局長(前排右四)



2024.03 越南成衣廠建廠消防安全輔導
-左起劉維義經理、張家翰技師



2024.04 TOSHMS 三區幹部聯合會議-余榮彬總經理(前排右六)、職安署林毓堂副署長(前排右五)



2024.04 全國職場安全健康週-余榮彬總經理(左一)、職安署鄒子廉署長(右一)



2024.04 余榮彬總經理(右二)主持職業健康績效與永續發展目標論壇-李政憲處長(右一)、職業衛生學會秘書長林若婷教授(左一)



2024.04 第三屆臺歐盟職業安全衛生合作會議-李政憲處長(後排左三)、勞動部許銘春部長(前排中)、職安署鄒子廉署長(前排右二)



2024.04 局部排氣有效性確認-張家翰技師



2024.04 東部某大學校園化學實驗室火災事故調查-劉維義經理



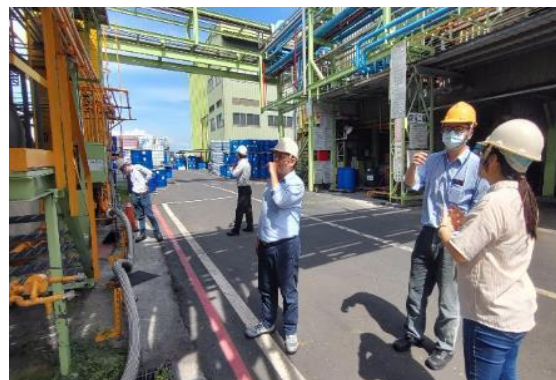
2024.05 菸品資料申報說明會-方澤沛博士



2024.05 臺灣公共行政與公共事務系所聯合會年會暨國際學術研討會「公私跨域協力，安衛家族合作共好」論壇-左起余榮彬總經理、嘉義縣政府勞青處陳奕翰處長、職安署鄒子廉署長、中正大學王安祥院長、統一企業謝清樹資深經理



2024.06 林以辰博士於 ChemCon Asia 2024 泰國曼谷會議分享化學品管理經驗



2024.06 化工廠製程安全管理輔導-丁憶淇專案經理(右一)、張福慶資深技術經理(右三)、邱柏誠主任工程師(左一)



2024.06 化學品倉儲區防爆電氣輔導-右起尤凱弘工程師、張皓培工程師



2024.06 臺灣菸酒公司南投酒廠防爆電氣輔導-林慶峰資深技術經理(左)



2024.06 電子廠鋼瓶區製程安全管理技術輔導-林瑞玉處長(右一)、戴啟夫博士(左二)



2024.06 製程安全管理實務觀摩活動



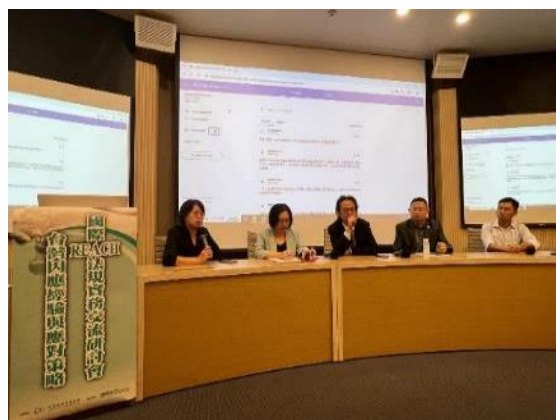
2024.06 林以辰博士(前排右二)受邀參與歐盟化學署(ECHA)與美國環保署於挪威奧斯陸舉辦之非測試方法工作坊



2024.07 混合物安全資料表查核實務研習-陳櫻香資深技術經理(右一)



2024.07 協作機器人安全評估報告研討會-邱祺文專案經理(立者)



2024.07 林以辰博士(右一)主持國際REACH法規實務交流研討會



2024.08 塑膠製品製造業臨廠輔導-尤凱弘工程師(左一)



2024.08 化學材料製造業製程安全管理技術輔導-林敬凱技術經理(左)



2024.08 秘魯利馬 APEC CD SOM III 化學對話(CD)會議-林侑萱專案經理(左二)



2024.08 拜訪歐盟職安署-李政憲處長(左三)、職安署鄒子廉署長(左五)、EU-OSHA 執行長 William Cockburn(右四)



2024.08 企業永續健康勞動力實踐論壇-余榮彬總經理(左三)、職安署鄒子廉署長(左六)、職業衛生學會理事長蔡詩偉教授(右二)



2024.08 發電廠製程安全管理集體輔導-林瑞玉處長(立者)



2024.08 政府機關推動職業安全衛生績效評核輔導-陳碧婷專案經理(立者)



2024.09 勞動檢查實務經驗國際研討會-李政憲處長(左一)、職安署鄒子廉署長(右三)



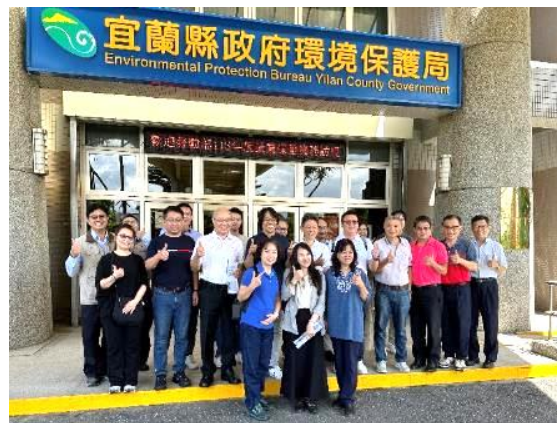
2024.09 勞動檢查員製程安全管理技術實務訓練-張福慶資深技術經理



2024.09 辦理勞動檢查機構交流會議實地參訪



2024.09 防爆危險區域劃分暨應用軟體說明會-張文昇主任工程師(立者)



2024.09 勞動部就安基金委員視察宜蘭達和環保安衛家族減災成效-勞動部王安邦次長(二排左四)、職安署萬榮富副署長(二排左五)、余榮彬總經理(二排右一)、劉秋萍專案經理(二排左一)



2024.10 農藥施用安全防護教育訓練班-陳佳君專案經理



2024.10 虎尾糖廠 TOSHMS 訪視座談-陳碧婷專案經理(左二)



2024.10 化工業製程安全關鍵性設備篩選技術輔導-右排起李全專案經理、邱柏誠主任工程師



2024.10 金屬製造業科技防災專業培訓暨製造業風險評估觀摩活動-蘇恒立處長(前排中立)



2024.10 職場致癌性化學品危害預防實務交流分享會-余榮彬總經理(左)



2024.11 健康勞動力永續領航企業頒獎典禮暨成果分享會-余榮彬總經理(左三)、職安署鄒子廉署長(左五)



2024.11 黃建彰副總接受媒體專訪電動
車電池安全



2024.11 赴濟州與技術合作夥伴日本經
產省 NITE 及韓國環境部 KCMA 交流
化學品管理經驗-余榮彬總經理(前排右
六)



2024.11 石化業製程安全管理法規研議
-林瑞玉處長、林敬凱技術經理(立者)



2024.11 應韓國 KCMA 邀請於韓國化
學品管理協會年度研討會專題演講台
灣化學品管理與法規最新趨勢-吳兆瑋
專案經理



2024.11 第六屆董監事合影



2024.12 辦理政府機關推動職安衛績效
評核優良縣市暨五星獎頒獎典禮



2024.12 職安署職場安全智能防災研討會 PSM 數位發展專題演講-于樹偉董事長



2024.12 職場安全智能防災研討會-于樹偉董事長(前排右四)、余榮彬總經理(右三)、職安署萬榮富副署長(左四)

附件一 財團法人安全衛生技術中心 2024 年大事紀

日期	大事紀
1 月	<ul style="list-style-type: none"> ● 執行勞動部職安署委託之推動職場永續健康與安全發展計畫。 ● 執行職安署委託之廠場 CMR(致癌性、致突變性、生殖毒性)化學物質暴露預防計畫。 ● 執行職安署委託之推動廠場化學品危害預防管理計畫。 ● 執行職安署委託之推動我國職業安全衛生業務與國際交流合作計畫。 ● 執行衛福部國健署委託之菸品資料申報暨菸品成分網站管理計畫。 ● 執行國健署委託之指定菸品健康風險評估審查專案管理計畫。 ● 執行晶圓代工廠零廢中心、創生中心、先進封裝廠等廠務安全顧問服務。 ● 執行電子化學品廠製程安全提升計畫。 ● 持續提供電子大廠及成衣廠海內外廠區營運持續管理系統技術輔導服務。 ● 持續提供產物保險公證人及法院之火災事故調查服務。
2 月	<ul style="list-style-type: none"> ● 執行職安署委託之中小企業改善工作環境及促進就業服務統籌支援計畫。 ● 執行工研院轉委託經濟部產發署之綠色功能性化學品產業-國際化學品管理 REACH 策略推動計畫。 ● 協同職安署參加秘魯利馬亞太經合會(APEC)化學對話 SOM I CD 會議。
3 月	<ul style="list-style-type: none"> ● 執行職安署委託之我國職業安全衛生管理制度推動業務計畫。 ● 與工研院共同執行職安署委託之提升防爆電氣設備現場使用安全實務及檢測技術計畫。 ● 與工研院共同執行職安署委託之補助中小企業新購檢定合格防爆電氣設備計畫。 ● 執行職安署委託之政府機關推動職業安全衛生績效評核及輔導作業計畫。 ● 執行農業部防檢署委託之推動我國農藥標示暨施用安全防護精進管理計畫。 ● 執行工研院委託之全員參與安全衛生活動計畫。
4 月	<ul style="list-style-type: none"> ● 執行職安署委託之石化及使用化學品工廠製程安全管理輔導計畫。 ● 執行國科會新竹科管局委託之園區安全衛生人員精進計畫。 ● 協助 2024 職業衛生暨職業醫學國際學術研討會辦理職業健康績效與永續發展目標論壇。 ● 協助台北國際防火防災應用展辦理工業安全與管理年會。

日期	大事紀
	<ul style="list-style-type: none"> ● 協助職安署與歐盟職安署辦理年度雙邊職業安全衛生線上交流會。 ● 頒贈第七屆獎學金給 17 位大專院校學生。
5 月	<ul style="list-style-type: none"> ● 執行職安署委託之輔導高風險、高職災、高違規（3 高）之事業單位改善安全衛生工作環境計畫。 ● 執行鋰鐵電池儲能系統安全之異常緊急應變顧問計畫。 ● 2024 年第一次董監事會。
6 月	<ul style="list-style-type: none"> ● 執行職安署委託之 2024 勞動檢查國際研討會計畫。 ● 執行石化廠製程安全管理第三方外部稽核計畫。 ● 於 ChemCon Asia 2024 泰國曼谷會議分享化學品管理經驗。 ● 參加歐盟化學署(ECHA)及美國環保署共同辦理的非測試方法 CHANGE Project 挪威奧斯陸會議。
7 月	<ul style="list-style-type: none"> ● 執行職安署委託之高風險事業單位製程安全資料庫與評估技術建置計畫。 ● 發布 HazCom 化學品危害資訊影像辨識與訓練應用工具。 ● 與瑞士再保於 Swiss Re Asia Engineering Conference 2024 共同說明鋰離子電池儲能設備安全評估架構與安全要求，作為承保評估標準。
8 月	<ul style="list-style-type: none"> ● 參與晶圓代工廠德、日建廠等廠務及化學品安全顧問服務。 ● 與台灣職業衛生學會合辦職安署永續職業健康論壇，探討職場心理健康與新興工作安全衛生議題。 ● 協同職安署參加祕魯利馬亞太經合會(APEC)化學對話 SOM III CD 會議。 ● 協同職安署參訪 EU-OSHA、荷蘭社會事務及就業部等單位。
9 月	<ul style="list-style-type: none"> ● 協助職安署與國際勞動檢查協會(IALI)於台北辦理 2024 年勞動檢查實務經驗國際研討會，邀請西班牙、英國、美國、泰國等專家交流。
10 月	<ul style="list-style-type: none"> ● 參與國際知名藥廠新建廠安全顧問計畫。 ● 執行大學校園職業安全衛生管理系統整合及輔導專業計畫。
11 月	<ul style="list-style-type: none"> ● 協助職安署辦理健康勞動力永續領航企業頒獎典禮。 ● 協助職安署辦理職安衛優良縣市機關及五星獎單位頒獎典禮暨 TOSHMS 促進會成果發表會。 ● 赴韓國濟州與技術合作夥伴韓國環境部化學管理協會(KCMA)及日本經產省行政法人製品評價技術基盤機構(NITE)交流化學品管理工具及推動經驗。 ● 第六屆（2022~2024）董監事會 2024 年第二次會議，遴聘第七屆董事。

日期	大事紀
	<p>第七屆董事（2025~2028）：余榮彬、黃建彰、陳哲郎、陳文龍、傅武雄、趙坤郁、許金泉、湯大同、李政憲。</p> <ul style="list-style-type: none"> ● 第七屆董事會臨時會，推舉余榮彬博士為董事長並兼任總經理、黃建彰博士為副總經理。 <p>遴聘第七屆監察人：賴世龍、陳俊瑜、周登春；推舉賴世龍先生為常務監察人。</p> <p>聘于樹偉博士為榮譽董事長。</p>
12 月	<ul style="list-style-type: none"> ● 協助職安署辦理中小企業安衛改善、製程安全管理、科技防災技術應用聯合研討會。 ● 年度結算約舉辦研討會與訓練班約 160 場，受訓學員約 15,000 人。親自臨廠輔導約 1,400 廠次。 ● 全職員工 51 人。年度結算技術服務營收約 1.86 億元，其中約有 53% 的經費來自業界。

2024 SAHTECH Report

April 2025

About SAHTECH

SAHTECH, a non-profit organization, was founded in 2007 with donations from Industrial Safety and Health Association of R.O.C. (Taiwan), CY LEE & Partners Architects, Fubon Insurance Co., Hermes Epitek Co, Tokyo Electron Ltd., ULVAC, and Mr. Tony Lai. SAHTECH aims to be a major player in the field of safety, health and environment (SHE) technology and services in the Far East. It is noteworthy that 18% of SAHTECH staff hold Ph.D. degree, and 56% have master's degree. Among them, 20% of them are graduates of internationally renowned universities. Many of them are certified safety professionals, certified industrial hygienists, certified occupational safety and health (OSH) management specialists, certified functional safety engineers, certified ISO 45001 lead auditors, and certified ISO 50001 lead auditors. Our highly experienced specialists provide full range of SHE services to clients. In average, people working in SAHTECH have about 20 years of OSH experiences.

Board of Directors (2022~2024)

Dr. Shuh Woei Yu (Chairman of SAHTECH; ex-Director General of Center for Environmental, Safety and Health Technology Development (CESH), Industrial Technology Research Institute (ITRI))

Dr. Jung-Pin Yu (President of SAHTECH; ex-Deputy Director General of CESH, ITRI)

Dr. Wu-Shung Fu (ex-Deputy Dean of Engineering College, National Chiao Tung University)

Mr. Ji-Fu Dai (ex-Director General of IOSH, Ministry of Labor)

Mr. Xi ShihYuan (ex-Director, Industrial Development Bureau, Ministry of Economic Affairs)

Mr. Jin-Sui Lin (Senior Vice President of Fubon Insurance Co.)

Mr. Chuck Chen (Vice President of CY LEE & Partners Architects)

Mr. Wen-Long Chen (ex-Director General of National Fire Agency, Ministry of Interior)

Dr. Kun-Yu Zhao (ex-Deputy Director General of Health Promotion Bureau, Ministry of Health)

Board of Supervisors (2022~2024)

Mr. Tony Lai (Standing Supervisor of SAHTECH ; President of Data Test Scientific, founding Chairman of Taipei Industrial Safety & Hygiene Product Commerce Association)

Dr. Chun-Yu Chen (ex-President of Ching Kuo Institute of Management & Health)

Dr. Cheng-Chang Huang (vice President of SAHTECH; ex-Director of CESH, ITRI)

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Mr. Da-Toung Tang (Chairman of Industrial Safety and Health Association of the R.O.C., ex-Director of IOSH, Ministry of Labor)

Mr. Kevin Hsu (President of Fubon Insurance Co.)

Mr. Chuck Chen (Partner Architect of C.Y. LEE & Partners Architects)

Mr. Wen-Long Chen (ex-Director General of National Fire Agency, Ministry of Interior)

Dr. Kun-Yu Zhao (ex-Deputy Director General of Health Promotion Bureau, Ministry of Health)

Dr. Jowitt Lee (Director of SAHTECH; ex-Researcher of EEL, ITRI)

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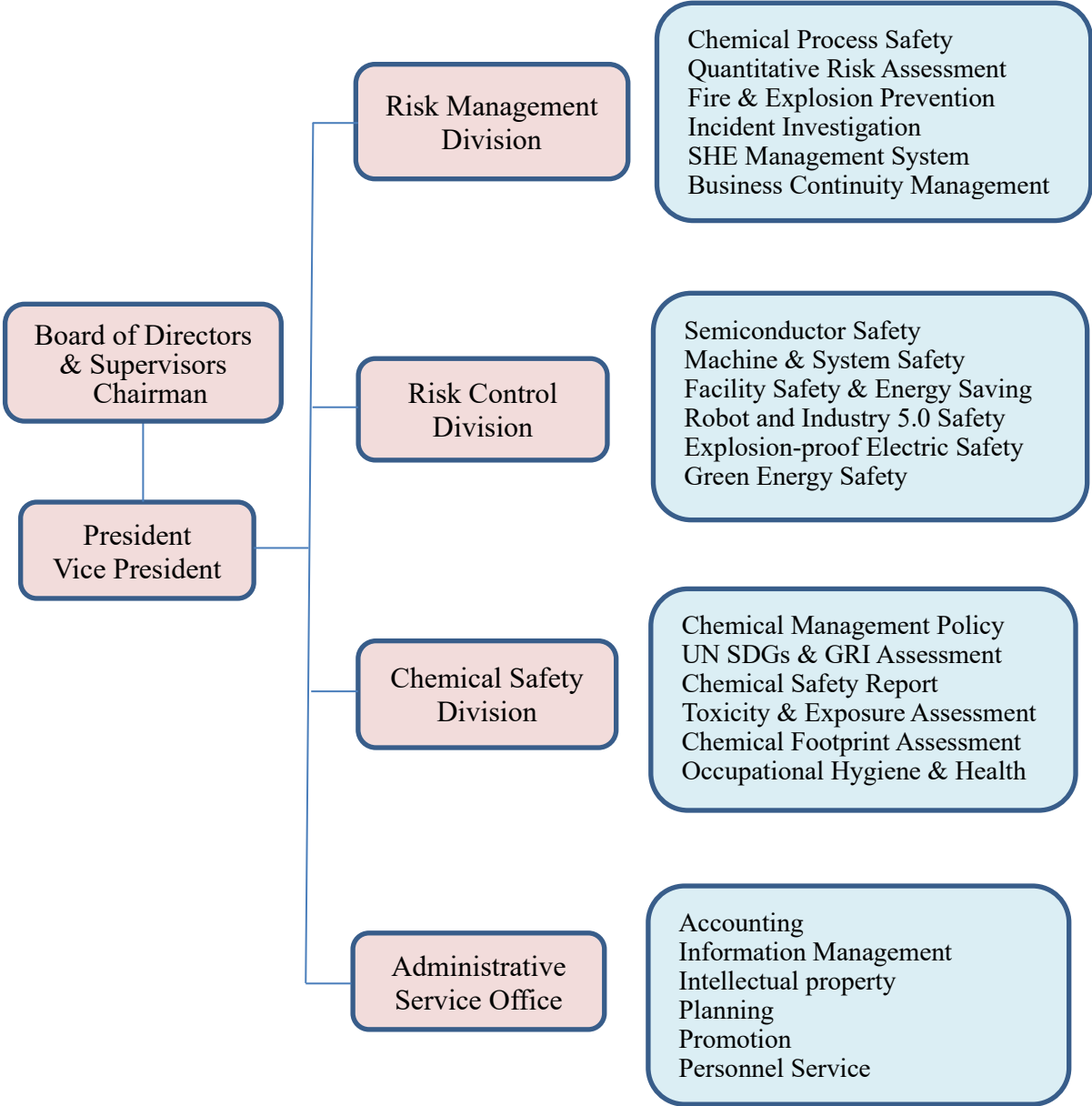
Dr. Chun-Yu Chen (ex-President of Ching Kuo Institute of Management & Health)

Mr. Deng-Chun Chou (ex-Director General of Labor Affairs Bureau, Kaohsiung City and ex-Deputy Director General of Occupational Safety and Health Administration, Ministry of Labor)

Honorary Chairman

Dr. Shuh Woei Yu (ex-Chairman of SAHTECH; ex-Director General of CESH, ITRI)

Organization Chart



11.2024




Achievements

SAHTECH continues to leverage intelligent technology to provide high-quality technical services. As an essential think-tank for Taiwan government agencies and a technical partner for the industry, SAHTECH facilitates regulatory implementation, including mechanical safety, electrical safety, chemical safety, process safety, occupational safety and health (OSH) for small and micro business entities (SMEs), and health risk of cigarette and heated tobacco products. SAHTECH assists the Occupational Safety and Health Administration, Ministry of Labor (MOL OSHA) in communicating with international organizations and official agencies in various countries. SAHTECH also uses entrusted services to help industries design and operate safer facilities, machinery, processes, workplaces and management systems towards the Sustainable Development Goals (SDGs) and Net-Zero emissions.

SAHTECH cooperated with the Material and Chemical Research Laboratories of Industrial Technology Research Institute (ITRI) and academia to test the safety of lithium-ion batteries and charging systems. SAHTECH also investigated numerous lithium-ion battery energy storage system accidents and released a safety framework and requirements jointly with Swiss Re at its Asian Engineering Seminar. SAHTECH assisted OSHA in issuing explosion-proof electrical zoning guidelines for the metal grinding industry. SAHTECH also assisted approximately 150 factories in improving OSH on production lines using industrial AI robots.

SAHTECH assisted OSHA in publishing the Healthy Workforce-GRI 403 Guidance on OSH indicators for Environmental, Social, and Governance (ESG) reporting towards SDGs, covering labor-related topics such as OSH, value chain partnerships, sustainable talents and careers, due diligence, workers' rights and wellbeing. The GRI 403 practical guidance was added independent assessment checklists for transportation and steel industries. In 2024, there were approximately 1,100 Listed and IPO companies that participated in the self-assessment and uploaded ESG report with OSHA's indicators. After being divided into four groups, a total of 14 companies were recognized as "Healthy Workforce Sustainability Leading Companies". SAHTECH also provided technical services such as ISO 45001 OSH management, ISO 31000 risk management, ISO 22301 business continuity management, and chemical




GreenScreen® to help companies upgrade ESG performance. SAHTECH continued to assist semiconductor factories in the safety design of chemical recycling and reuse facilities, to comply with the 2030 United Nations (UN) SDGs and 2050 Net Zero, including hydrogen, solvents, fluoric acid, etc.

SAHTECH assisted MOL OSHA in releasing the HAZCOM, a web-based chemical hazard information image recognition and training tool. The software has been downloaded more than 6,300 times. SAHTECH held chemical mixture Safety Data Sheet (SDS) preparation workshops for suppliers and auditing training for users. SAHTECH assisted OSHA to provide on-site chemical carcinogen prevention counseling to 325 factories and revisited another 300 factories in 2024. In line with the inter-ministerial resolution, SAHTECH participated in the work of Bureau of Standards, Metrology and Inspection of the Ministry of Economic Affairs (MOEA) to revise the national standard CNS 15030 with reference to the 8th edition of the UN GHS, and assisted OSHA in planning supporting measures, including legislative amendments, training material revisions, and an expert system for mixtures' hazard classification.

SAHTECH operated the Chemical Management Office on behalf of OSHA to facilitate the collective national chemical management scheme. SAHTECH assists OSHA to implement required-submit priority chemical management, controlled chemical permission, proprietary confidential business information (CBI) protection, etc. SAHTECH accompanied OSHA to participate in the APEC Meeting of Chemical Dialogue, held in Lima, Peru. Acting as the GHS implementation focal point of Taiwan, SAHTECH hosts the APEC GHS Gateway Website for sharing labelling elements in 38 languages, a.k.a. the G.R.E.A.T. Project on behalf of MOL.

SAHTECH continues to assist relevant government ministries to expand chemical management systems, improve safety and health protection performance, and shared national chemicals management experience at international meetings such as the APEC, European Union, Korea, and Thailand. SAHTECH was invited to participate in the non-test methods CHANGE Project meeting hosted by the European Chemicals Agency (ECHA) and US EPA in Oslo, Norway. SAHTECH participated in the annual tripartite meeting held in Jeju, South Korea, to exchange chemical management tools and experience with




technical partners, the Korea Chemical Management Association (KCMA) of the Ministry of Environment and the National Institute of Technology for Product Evaluation (NITE) of the Ministry of Economy, Trade and Industry of Japan.

SAHTECH served as a special-task office of tobacco additive notification management and toxicity information examination for the Health Promotion Administration of Ministry of Health and Welfare, including designated heated tobacco products. SAHTECH received approximately 460 reports from 105 tobacco companies and 8,900 items in 2024. SAHTECH assists the Industrial Development Administration of MOEA to assist exporting companies to pay attention to REACH-like regulations of various countries and the UN SDGs 2030. Participating in the Ministry of Agriculture's 10-year plan to halve risks of chemical pesticides by 2028, SAHTECH assisted MOA to implement the pesticide hierarchical management system for around 6,545 pesticides and conducted the training of 2,660 pesticide application safety protection trainers in 2024.

SAHTECH assisted OSHA in promoting process safety management (PSM), providing collective or on-site technical consultation to approximately 140 factories, and evaluated the limits of dangerous substances that could be added or deleted in the revision of Labor Inspection Law Enforcement Rules. SAHTECH assisted OSHA to collect relevant regulations or practices on process safety management performance, risk management for artificial intelligence in process, human factors in process, and OSH risk for hydrogen refueling stations. Incompatibility information for the corresponding functional groups of 200 commonly used chemicals was established. In addition, for three common types of equipment materials, including aluminum, nickel alloys, and non-metals, corresponding chemical incompatibility information was established, totaling more than 150 items. SAHTECH also trained certified process safety assessors, including 90 engineers, 27 labor inspectors, and 60 internal auditors.

SAHTECH assisted OSHA in organizing the 3rd annual bilateral OSH exchange online meeting with EU-OSHA. SAHTECH also accompanied OSHA to visit EU-OSHA headquarter in Spain, the Ministry of Social Affairs and Employment in Netherlands, and other institutions. SAHTECH assisted OSHA




and the International Association of Labor Inspection (IALI) in organizing the 2024 international seminar on labor inspection practices in Taipei, inviting experts from Spain, Thailand, UK and USA. SAHTECH also participated in the IALI online conferences to help OSHA collect the latest emerging issues and trends in labor inspection.

SAHTECH helped OSHA monitor the performance of Taiwan OSH Management System (TOSHMS), an enhanced version of ISO 45001. Around 960 organizations retained certificates in 2024, where 9%, 15%, 14% and 62% of them were composed of less than 100, 100~200, 200~300 and more than 300 workers, respectively. Three regional TOSHMS families were functioning with the help from SAHTECH. Activities included on-site observation sharing, compilation of practical manuals and OSH photography competition. Training was also conducted to share OSH best practices, such as emergency response preparedness, OSH performance, psychosocial health, AR/VR-assisted training, and AI for high-risk operations.

SAHTECH assisted MOL in promoting OSH performance evaluation and counseling work in government agencies, and also managed the voluntary year-long implementation reports of approximately 650 business entities for the national OSH campaign. SAHTECH assisted the Hsinchu Science Park Administration of National Science and Technology Council in organizing OSH and risk management trainings, with approximately 545 engineers trained. SAHTECH assisted Chunghwa Post, Taipei Post, ITRI, Yang Ming Chiao Tung University and other institutions to enhance safety culture and improve workplace safety and health.


SAHTECH developed an OSH smart web assistant, including "OSH Picture Library" and "Smart Inspection", to provide SMEs with application and promotion of OSH hazard prevention knowledge. The website, which has been used 41,000 times in 2024, covers 10 common mechanical hazards, provides self-test template QR codes, and can print inspection results and notify inspection cycles. SAHTECH helped OSHA facilitate all 22 local governments to provide basic OSH services to MSEs, with less than 100 workers, through the Dandelion Rooted Project. With the help of 470 OSH professionals, around 11,000 SMEs (87% of which have 30 or fewer employees), including 3,800



SMEs employing foreign workers and/or Aboriginal workers, were provided with 17,600 on-site assistances in 2024. On average, 6 recommendations were made for each assistance. SAHTECH continued to produce OSH education and training materials and posters for download. Some companies were also grouped into 280 regional Dandelion Families. OSH awareness of young workers was also assisted by SAHTECH mainly through this national project. Statistics from the past 17 years indicated that the average occupational accident rate of SMEs reduced by 25.3% after receiving assistance for 3 years, while the general industrial reduced by 8.8%.

In 2024, SAHTECH cooperated with government agencies to conduct around 160 seminars and training courses, with a total of around 15,000 industry participants and trainees. SAHTECH also assisted around 1,400 enterprises on-site. Websites managed by SAHTECH had around 280,000 visits monthly, and e-newsletters of MSEs OSH and chemical management were regularly distributed, including e-community media and mobile application software.

The premium contracts, both from the private and public sectors, bolstered SAHTECH's strategic sustainability, safety, health and environment (SHE) technology service position in Taiwan. Numerous chemical, ICT, LED, machinery, material, printed circuit board, semiconductor, steel, TFT-LCD companies, and service sectors received SAHTECH's technical services in 2024. Accton, Apple Taiwan, Applied Materials, Bossmen, Chilin Tech, Chunghwa Precision Test, CTCI Chemicals, Ebara Taiwan, Edwards Vacuum, E Ink, Entegris Taiwan, GPTC, Fujifilm Electronic Materials, Hembell Vacuum, Hermes Epitek, Hitachi high-tech, I-Nanotech, KYEC Electronics, Lite-on Group, Macronix, Micron Taiwan, SDI corp., Sumitomo Precision, Taimide, Tokyo Electron Taiwan, tsmc, ULVAC Taiwan, UMC, VIS, Winbond, Adeka Fine Chemical Taiwan, Air Liquid Far Eastern, Chang Chun Petrochemical, Chimei Corp., Chung Hwa Chemical, Eternal Materials, Everlight Chemical, Formosa Plastics, Formosa Sumco, Framosa Co., Lead Science, Linde LienHwa, Merck Performance Materials, MGC pure chemicals, Nan Ya Plastics, Nippon Sanso Taiwan, ShinEtsu Taiwan, Shiny Chemical, Shin Foong Specialty, Tai Shen Hang Co., Taiwan Fu Hsing, Taiwan Union Tech, Taiwan Synthetic Rubber, YFY Group, Lotus Pharm, Pharma Essentia, Taiwan Tobacco & Liquor, Bridgestone, Chung Hung Steel, Foremost Golf, Kwong Lung Enterprise,



Jointek, Hyundai Engineering, Liying Environmental, Mitsubishi Corp., Transcene Recycling, Aon Corporation, Marsh Taiwan, Sedgwick Hong Kong Limited, BSI Solutions, Cathay Bank, Chunghwa Post, Sumika consulting, Taiwan High-Speed Rail, Tsar & Tsai Law Firm, III, ITRI, NCKU, NCU, NCSIST, NTU, NYCU, etc. were some of SAHTECH's clients in 2024. Notable technology activities are summarized below.


High-Tech Safety Services in Electronics Related Industries

SAHTECH assisted clients in Taiwan and overseas to design safer facilities to meet international guidelines, codes and standards, such as API, ASME, FM, NFPA, SEMI, etc. Significant emerging technical services of year 2024 included safety design of zero waste centers of semiconductor complexes and German/Japan plants for an internationally renowned IC foundry. Safety review of process tools and local scrubbers were provided. 3-D flow pattern simulation, personnel escape simulation, maximum foreseeable fire loss assessment, smoke control system, water mist system, explosion proof zoning, super-sonic leak detection, toxic gas monitoring system, and infrared thermo-image were commonly utilized in life safety and calamity control projects. Seismic vibration force minimization and anchor strength services were also provided for tools in the cleanrooms.

Safety review and control measures for the processes involving bulk hydrogen, hydrogen peroxides, waste fluoric acid and waste sulfuric acid recovery systems were delivered. SAHTECH also participated in process safety and fire safety design of solvent recovery facilities adjacent to semiconductor factories to assist high-tech industry achieve 2030 UN Sustainable Development and 2040 national circular economy Goals.

Mechanical and Electrical Safety Services

SAHTECH provided contracted services of electromechanical safety and explosion zoning, especially for chemical, electronics and semiconductor industries. Taiwan Safety TS mark, grounding resistance, electromagnetic radiation measurement and explosion-proof, were frequently conducted in the services of equipment sign-off procedures. SAHTECH cooperated with technical partners, the Green Energy and Environment Research Laboratories of



ITRI and Taiwan UL Solutions, to provide explosion-proof electrical training, including 170 installation supervisors, 95 electrical wiring technicians, and 45 labor inspectors in 2024.

Process Safety Management Services

PSM services for semiconductor and advanced packaging related industries included process consequence simulation for silane, hydrogen peroxide, chlorine, phosphine, arsine, hydrogen chloride, hydrogen fluoride, hydrogen and other supply systems. Services for petrochemicals, power and other industries included quantitative risk assessment and improvement for processes and storage sites of ammonia, formaldehyde, acrylonitrile, public hazardous substances and pressurized gases, etc.

Process safety assessment, management of change, and competence courses were offered to more than 300 engineers. Utilizing Hazard and Operability Study (HazOp), Layer of Protection Analysis (LOPA), Safety Integrity Levels (SIL), Safety Instrument System (SIS), AIChE PSM guidelines, ASME guidelines, IChemE guidelines and SEMI S10, SAHTECH helped industrial clients in chemical, electronic and steel industries mitigate risks, and to meet the requirements of Taiwan OSHA regulations.

SAHTECH often cooperated with the Material and Chemical Research Laboratories of ITRI to provide comprehensive risk control measures of equipment and piping corrosion. Run-away reaction testing and software of process hazard analysis, ASTM reactive and flammability hazards CHETAH, and computational-fluid-dynamics explosion and dispersion modelling were commonly used. Major clients included Chang Chun Petrochemical Co., Formosa Plastics Group, Shiny Chemical and tsmc.

SAHTECH was involved in process safety assessment for ammunition and carbon nanotubes. Assessed exposure risks for biotechnology and pharmaceutical companies and participated in the design of their new plants with high safety standards.



Accident Investigation Services

SAHTECH provided contracted accident investigation reports to numerous public notary companies and property insurers in 2024. Taiwan legal courts often consulted SAHTECH as a professional body regarding industrial accidents and property loss.

Fire simulation modeling, sequentially timed events plotting, events and causal factors charting, why-tree analysis and some retrofit laboratory tests were commonly incorporated in these reports. Services were also provided to solar photovoltaic power generation sites, semiconductor factories, container ships, golf factories, university laboratories, mega logistics warehouses, sites with lithium battery systems, 5-star hotels, etc. Accident investigation seminars were also delivered.

Chemical Safety Information and Exposure Assessment Services

SAHTECH actively assisted companies to implement comprehensive chemical management practices through in-depth recommendations and action plans for responsible production and safer chemical substance substitution. Contracted services were provided to numerous international chemical companies to comply with Taiwan's chemical regulatory requirements, such as chemical safety report (CSR) for the priority existing chemicals (PECs). Around 405 documents of CSR were officially approved by the Chemicals Administration, Ministry of Environment. Some local chemical export companies contracted SAHTECH to help them prepare the REACH-like-regulation documents for other countries and the international chemical treaties. Services also included chemical toxicity assessment and advanced chemical control banding for occupational mixtures' exposure.

A series of proprietary chemical exposure and health management software was widely used in manufacturing industry, construction industry, transportation sector, universities, financial holdings, and other service industry in 2024. Local companies also received regular updates on international regulations through SAHTECH e-message service.



Professional Societies Sponsorship

SAHTECH sponsored numerous technical conferences and professional activities with regards to occupational safety and health, fire protection, sustainable development, and green technology, such as those of Taiwan Occupational Hygiene Association, Taiwan Safety Council, Taiwan Chemical Industry Association, Taiwan Aerosol Research Association, Taiwan PM2.5 Monitoring and Control Association, Taiwan Super Critical Fluid Association, Taiwan Photo-catalyst Industrial Association, and Taiwan Chemical Society.

Seventeen distinguished students received SAHTECH scholarships to explore the field of OSH study and research in 2024. SAHTECH and Taiwan Chemical Industry Association jointly sponsored the "Learning in Science (LIS)" public welfare organization to produce green chemistry popular science teaching materials for junior high schools. SAHTECH had 51 full-time employees and generated revenues of approximately \$5.8 million, 53% of which came from industrial contract services.

SAHTECH looks to the future and expects greater success. As a responsible organization, SAHTECH will continue to progress and fully provide our expertise to promote SHE technology, help customers comply with international standards, actively participate in professional SHE associations, and provide technical support to government agencies.

Photo Gallery



02.2024 Senior Technical Manager Ching-Fong Lin (L3 of 1st row) conducted explosion-proof electrical installation workshop.



02.2024 Annual strategic planning meeting.



02.2024 APEC SOM I chemical dialogue meeting, Lima, Peru- Project Manager Cha-Chin Chen (R3).



03.2024 Exposure hazard prevention visit for occupational carcinogenic chemicals-Engineer Wenzhe Yeh (L).



03.2024 Southern Region Training for Local Government SMEs OSH Counselors- Director Jui-Yu Lin (R3, front seat), Tainan City Labor Director-General Hsin-Chi Wang (R4, front seat).



03.2024 Vietnam down jacket factory fire safety assistance- Project Manager Wei-Yee Liu (L), Specialist Chia-Han Chang (C).



04.2024 TOSHMS Annual Tri-Region directors meeting- President Dr. Jung-Pin Yu (R6), OSHA Deputy Director-General Yu-Tang Lin (R5).



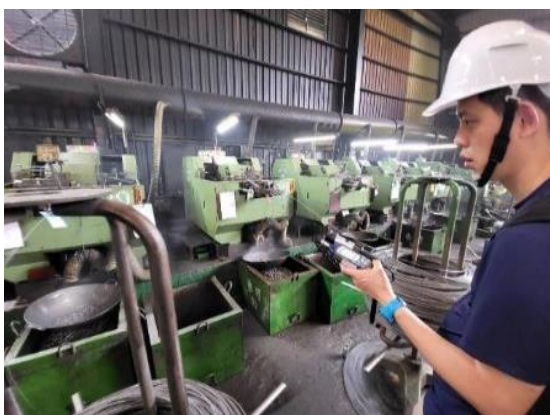
04.2024 National Workplace Safety and Health Week Campaign- President Dr. Jung-Pin Yu (L1), OSHA Director-General Dr. Tzu-Lien Tzou (R1).



04.2024 President Dr. Jung-Pin Yu (R2) hosted TOHA SDGs forum- Director Dr. Jowitt Li (R1), TOHA Secretary-General Professor Ro-Ting Lin (L1).



04.2024 3rd EU-Taiwan OSH cooperation meeting (on-line)- Labor Minister Ming-Chun Hsu (C, front), OSHA Director-General Dr. Tzu-Lien Tzou (R2, front), Director Dr. Jowitt Li (L3, 2nd row).



04.2024 Specialist Chia-Han Chang verified the effectiveness of local ventilation.



04.2024 Project Manager Wei-Yee Liu investigated a chemical fire accident at a university campus.



05.2024 Dr. Jer-Pei Fong conducted tobacco chemical additive management seminar.



05.2024 Public-Private social cooperation among SMEs OSH family forum- from left, President Dr. Jung-Pin Yu, Chiayi County Labor & Youth Director-General Yi-Han Chen, OSHA Director-General Dr. Tzu-Lien Tzou, Professor An-Hsiang Wang (Dean of Chung Cheng U.).



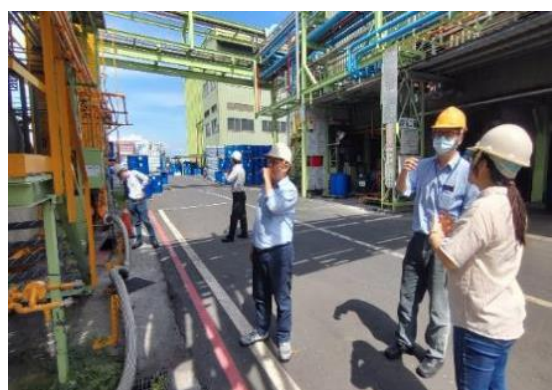
06.2024 Dr. Steve Lin participated ChemCon Asia, Bangkok, Thailand.



06.2024 Senior Technical Manager Ching-Fong Lin (L) conducted explosion-proof electrical assistance for a Winery.



06.2024 Explosion-proof electrical assistance for a chemical warehouse-Engineer Kai-Hong You (R1), Engineer Hou-Pei Chang (R2).



06.2024 Process safety management assistance for a chemical plant- Project Manager Yi-Chi Ting (R1), Senior Technical Manager Fu-Ching Chang (R3).



06.2024 PSM assistance for a gas tank yard of an electronics plant- Director Jui-Yu Lin (R1), Dr. Chi-Fu Dai (L2).



06.2024 Process safety management site-visit.



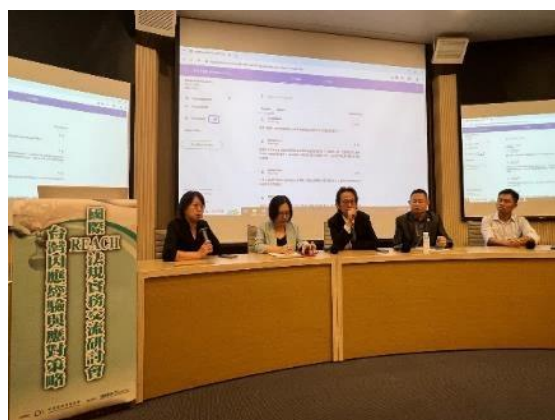
06.2024 Dr. Steve Lin (R2, front row) attended the non-test CHANGE Workshop hosted by the European Chemicals Agency and US EPA in Oslo, Norway.



07.2024 Senior Technical Manager Yin-Shan Chen conducted practical training on checking the safety data sheet of mixtures.



07.2024 System safety assessment seminar on collaborative robots- Project Manager Chi-Wen Chiu.



07.2024 Dr. Steve Lin (R1) hosted an international REACH regulation practice exchange seminar.



08.2024 Machinery safety assistance for a plastics manufacturing plant.



08.2024 PSM assistance for a chemical material plant- Technical Manager Kevin Lin (L).



08.2024 APEC SOM III chemical dialogue meeting, Lima, Peru- Project Manager Eleen Lin (L2).



08.2024 Visit EU-OSHA- Director Jowitt Li (L3), OSHA Director-General Dr. Tzu-Lien Tzou (L5), EU-OSHA Executive Director William Cockburn (R4).



08.2024 SDGs social forum on healthy workforce- OSHA Director-General Dr. Tzu-Lien Tzou (L6), President Dr. Jung-Pin Yu (L3), TOHA President Professor Shih-Wei Tsai (R2).



08.2024 Director Jui-Yu Lin conducted PSM workshop for power plants.



08.2024 Project Manager Pi-Ting Chen assisted public agencies in implementing OSH performance evaluation.



09.2024 International Labor Inspection Conference Taipei- Director Dr. Jowitt Li (L1), OSHA Director-General Dr. Tzu-Lien Tzou (R3).



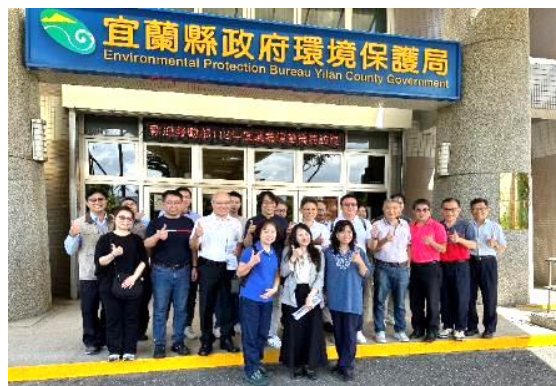
09.2024 Senior Technical Manager Fu-Ching Chang conducted PSM training for labor inspectors.



09.2024 Exchange visit of labor inspection agencies, assisted by SAHTECH.



09.2024 Engineer Wen-Shen Chang conducted explosion-proof zoning and software seminar.



09.2024 Labor Employment and Security Fund Committee visited the achievements of Yilan Onyx Ta-Ho OSH Family- Labor Deputy Minister An-Bang Wang (L4, 2nd row), OSHA Deputy Director-General Jung-Fu Wan (L5, 2nd row), President Dr. Jung-Pin Yu (R1, 2nd row).



10.2024 Project Manager Cha-Chin Chen conducted pesticide safety protection training.



10.2024 Project Manager Pi-Ting Chen (L2) conducted TOSHMS assistance visit at a Taiwan Sugar plant.



10.2024 Technical assistance on screening of critical equipment for process safety-Project Manager Chyuan Lee (front of R side).



10.2024 On-site experience sharing on system safety and accident prevention through AI- Director Heng-Li Su (C of 1st row).



10.2024 President Dr. Jung-Pin Yu thanked speakers at a sharing seminar on prevention and control of workplace carcinogenic chemicals.



11.2024 OSHA conference on promoting sustainable health and safety workforce, assisted by SAHTECH.



11.2024 Vice President Dr. Cheng-Chang Huang accepted media interviews on electric vehicle battery safety.



11.2024 Korea KCMA, Japan NITE and SAHTech tripartite exchange meeting on sound chemical management in Jeju, Korea- President Dr. Jung-Pin Yu (R6).



11.2024 Industrial hearing on amendments of PSM regulation- Director Jui-Yu Lin.



11.2024 Project Manager Chou-Wei Wu delivered a speech at the Korea KCMA annual conference, Jeju.



11.2024 Board meeting of directors and supervisors.



11.2024 OSH excellent award ceremony of government agencies and Five-Safety-Star enterprises, assisted by SAHTech.



12.2024 Chairman Dr. Shuh Woei Yu delivered a PSM speech at the OSHA annual workplace safety and intelligent accident prevention conference.



12.2024 OSHA OSH annual conference, Chairman Dr. Shuh Woei Yu (R4 of front seat), President Dr. Jung-Pin Yu (R3), OSHA Deputy Director-General Jung-Fu Wan (L4).



財團法人安全衛生技術中心

SAFETY AND HEALTH TECHNOLOGY CENTER

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