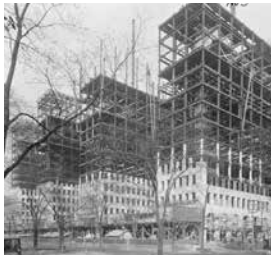
TECHNO
15th
anniversary
1999-2014

Techno
HSE Engineering

[**company**profile]

Since its founding in 1999 by a team of highly experienced engineers and industry experts in Health, Safety and the Environment (HSE), TECHNO has been at the forefront in providing innovative project and management service solutions to clients throughout the world.



TECHNO's specialists have consolidated their experience in project management and are skilled at successfully leading and managing multi-sectorial and multi-disciplinary projects.

Due to our established reputation for quality, TECHNO has become an indispensable partner to companies that operate in such varied areas as the: construction, petrochemical, manufacturing, agro-industrial, energy, shipping, road transport, trading and service fields. We are committed to delivering the highest safety, environment and property management standards.

Certificato N° ER-0387/2014

Certificato N° SST-0095/201

CONFINDUSTRIA ROMAGNA

[marketsectors]

We can provide engineering, consulting, surveying, auditing, monitoring and training services in the following industries:

- Construction and civil works
- Mechanical assembly
- Manufacturing
- Mining activities (onshore and offshore)
- Petrochemical and refining
- Power generation / Renewable energy
- Shipping
- Shipbuilding and harbour commercial terminals
- Municipal utilities
- Logistics
- Agribusiness
- Meat packing
- Tourism and leisure industry
- Public health
- Sport and recreational structures
- Education
- Telecommunication
- Insurance
- Commercial diving
- Water industry
- Decommissioning
- Dredging, coastal engineering and port construction

So far, TECHNO has successfully completed mono and multidisciplinary projects for its clients in Italy and abroad, in: Algeria, Belgium, Brazil, Bulgaria, Croatia, Egypt, France, Great Britain, Ireland, Kazakhstan, Libya, Mozambique, The Netherlands, Serbia, Slovenia, Spain, South Africa, Russia, Tunisia and Turkey.

Parent Companies are based in Mozambique and UK.

TECHNOCYMA Consultores

www.techno-cyma.com

INTEGER

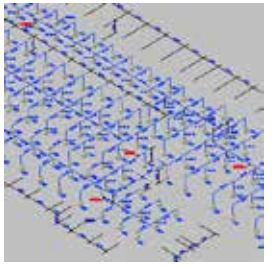
www.integerlimited.co.uk

TECHNO has been awarded the prestigious EXCELSA 2012 prize for its international development activities.

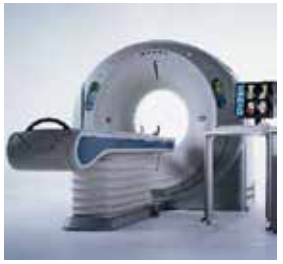
EXCELSA2012
CONFINDUSTRIA RAVENNA AWARD

- Chemical, physical, biological hazard identification, risk assessment and mitigation
- Working equipment and machine guarding
- Electrical safety
- Noise and vibration
- Workplace ergonomics and VDU
- Thermal stress
- Manual handling and mechanical lifting and handling
- Safety in hazardous substances transport (ADR, IMDG, ADN, RID, ICAO)
- REACH
- Safety coordination at temporary and mobile yards
- Emergency response planning

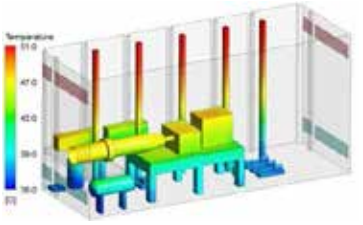
- Fire risk assessment
- Design of fire detection and fire fighting systems
- Major accident hazard analysis
- Area classification studies (ATEX)
- Safety data sheet and technical specification on firefighting equipment
- Design of fire system seismic support
- Surveys and testing
- Permitting

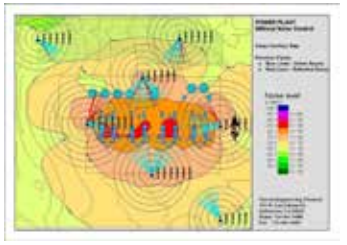


- Radiation protection in the public health and industrial fields
- QE appointment
- Quality control of equipment
- Assessment of contamination levels
- Design of shielding systems
- Natural and artificial optical radiations
- Electromagnetic fields
- Radon



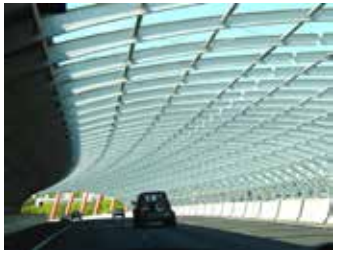
- HAZOP, HAZID, HAZAN analysis and report
- Safety signs layout
- Fire protection layout
- Life saving equipment layout
- Escape, Evacuation and Rescue Assessment (EERA)
- Natural ventilation study
- QRA/SIL studies and report
- Dropped objects analysis and management
- Evacuation and rescue plan
- Toxic substances inventory and management
- Equipment noise level emissions evaluation
- Human factors analysis





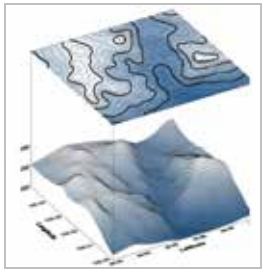
> **acoustical**engineering <

- Building acoustical design, mitigation and site assistance
- Building acoustical testing
- Acoustical climate assessment
- Acoustical impact forecast and evaluation
- Noise control analysis of public entertainment premises
- Acoustic expertise

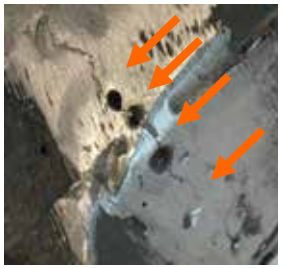


> **environmental**engineering <

- Environmental impact identification studies (ENVID)
- Remediation of contaminated sites
- Site monitoring and sampling
- Design of treatment plants
- Environmental monitoring and sampling
- Analytical determinations
- Environmental management in construction yards
- Accidental spill prepardness and recovery plans
- Permitting



- Root cause analysis (RCA)
- Fire investigation
- Structural and static analysis
- Stress analysis
- Metallurgical and material analysis
- Instrumental measurements and graphic rendering
- Accident reconstruction
- Visual inspection, destructive testing and NDT
- Litigation and insurance support



- Assistance in the fulfilment of technical-administrative requirements for buildings and technological plants
- Earthquake engineering (design, inspection, retrofitting)
- Scheduling and supervision of maintenance, adjustment, restoration activities, etc.
- Building safety
- Surveys and technical specifications
- Supervision and assistance to activities and tests
- Building technical documents draft

- ISO 9001, ISO 14001, OHSAS 18001, ISO 50001 management systems
- VCA (Veiligheid gezondheid en milieu Chechlist Aannemers) and SCC (Safety, health and environment Checklist Contractors) management systems
- Gap analysis
- Workplace and organizational upgrading plans
- Behaviour based safety (BBS)
- Pre-certification auditing and testing
- Organizational models in compliance with Italian Legislative Decree 231/2001
- Civil, industrial, shipping and port security

> training <

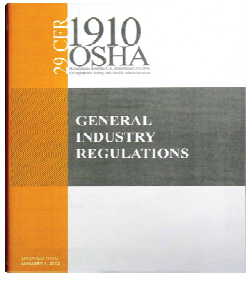
- Training needs analysis and planning
- Training and refresher course organization
- Development of educational instruments
- First aid and emergency response training courses

Download the training course catalogue at:
www.techno-hse.com
Info at: **academy@techno-hse.com**

NEBOSH International General Certificate in Occupational Health and Safety are delivered in partnership with the Malta-based Institute of Health and Safety.

- General legislative framework analysis
- Research of local legislation on specific productive sectors
- Research of international and local technical standards
- Good practice research for production activities
- Due diligence, auditing and gap analysis in compliance with the local legislation
- HSE supervision and monitoring activities with local personnel
- Search of local suppliers for PPE, safety equipment and training sessions

All services are available for Sub-Saharan Africa, Central Asia, Balkans, Middle East and South America through local partners based in Brazil, Kazakhstan, Mozambique, Netherlands and South Africa.



www.integereurope.eu

> publishing+graphics <

- Technical publishing
- Corporate manuals
- Visual communication
- Multimedia support for training
- Company safety cards and safety plans
- Safety leaflets
- Preparation of safety alerts and fact sheets

HS+E MAGAZINE

> research+development <

Due to our on-going commitment to research and development, TECHNO has not only continued to provide seamless quality services to its clients, but has also become a full-fledged partner in multiple firms.

TECHNO's clients benefit from our unique network of permanent cooperation agreements forged with universities and prestigious research institutes in Italy and abroad for the development of HSE-related advanced research programs. Through our guided research-industry interaction efforts, we can offer state-of-the-art expertise, know-how and valuable human resources.

Agreement signed with:

- University of Ferrara: Department of Engineering

UNIVERSITÀ DEGLI STUDI DI FERRARA
- EX LABORE FRUCTUS -

- University of Bologna: Interdepartmental Research Centre of Environmental Sciences (CIRSA)

CENTRO INTERDIPARTIMENTALE PER LA RICERCA NELLE SCIENZE AMBIENTALI

[referenceslist]

Since its establishment TECHNO has operated with hundreds of Clients among which:

ACMAR scrl - Ravenna (civil and industrial construction)

ACOMON spa - Ravenna (fine chemicals)

ADRIMAR srl - Ravenna (shipping company)

AEROTECNO scarl – Bologna (airport global services)

AGIP Gas spa - Milan (LPG storage)

AGIP Petroli spa - Milan (oil products)

AGRIPARADIGMA srl - Ravenna (analysis and research laboratory)

AICS - Maputo (Mozambique) (Italian Cooperation and Development Agency)

A.I.S. srl - Ferrara (industrial assembly)

AMBIENTE spa - Milan (waste thermodestruction and environmental services)

ANSALDO spa - Genoa (energy field)

ANTHOS IMPIANTI srl - Imola (BO) (installation, maintenance and services for dental equipment and machinery)

AQSEPTENCE GROUP srl - Lugo (RA) (filtration and separation systems)

ARCHIDIOCESI DI RAVENNA

AUSL - Imola (BO) (health care facilities management)

RAVENNA PORT AUTHORITY

B. ENGINEERING srl - Campogalliano (MO) (automotive)

BAKER HUGHES srl - Cepagatti (PE) (oil & gas integrated services)

BANCA D'ITALIA - Ravenna

BANCA DI ROMAGNA spa - Faenza (RA)

BARTOLINI spa - Bologna (logistics)

BASIS ENGINEERING srl - Milan (multidisciplinary engineering)

BENTINI CONSTRUCTION spa - Faenza (RA) (civil and industrial construction)

BERGEN ENGINEERING srl - Genova (cogeneration plants)

BILFINGER WATER TECHNOLOGIES srl - Lugo (RA) (filtration equipment)

BIOSPHERE spa - Cesena (FC) (biotechnology)

BUNGE ITALIA spa - Ravenna (RA) (processing oil beans)

CANTIERI ITALIANI srl - Pescara (general contractor)

CANTIERI RAVENNA srl - Ravenna (shipyard)

CCIAA - Ravenna (industry and trade chamber)

CEFLA scrl - Imola (BO) (civil, industrial, energy plants)

CIAB scrl - Bologna (main contractors)

CISA spa - Faenza (RA) (security and safety)

CITIR srl - Ravenna (industrial assembly)

CLAI soc. coop. Agricola - Imola (BO) (slaughter and meat processing)

CLEARY, GOTTLIEB, STEEN & HAMILTON - Roma (legal firm)

CMC scrl - Ravenna (civil and industrial construction)

COATEK srl - Crotone (adhesive materials)

COMOMIN DE TUBERIAS sl - Algeciras (Spain) (industrial plant assembly)

COMUNE DI BOLOGNA - Bologna Municipality

COMUNE DI CASTELBOLOGNESE - Castelbolognese Municipality

COMUNE DI LUGO - Lugo Municipality

COMUNE DI RAVENNA - Ravenna Municipality

CONFCOMMERCIO BOLOGNA - Bologna (training center)

CONGREGAZIONE VERGINI DI S. GIUSEPPE ISTITUTO TAVELLI - Ravenna (public school)

CONSORZIO CAMIMPIANTI scrl - Ravenna (maintenance and industrial assembly)

CONSORZIO DI BONIFICA - Ravenna (raw water management)

CONTROL srl - Ravenna (non destructive examinations)

COOP. CERAMICHE DI IMOLA scrl - Imola (BO) (ceramics)

COSMI KAZAKHSTAN llp - Atyrau (Kazakhstan) (global service)

DIEMME spa - Lugo (RA) (filtration and separation systems)

ECOFUEL spa - Milano (fuel additives)

ENDURA spa - Bologna (fine chemicals)

ENEL GREEN POWER spa - Roma (energy)

ENEL-SI spa - Roma (energy)

ENVIARS - Chieri (TO) (environmental services)

ENVIRON ITALY srl - Roma (environmental engineering)

EOS srl - Roma (real estate dealings)

EPC-INFORMA - Roma (publishing and training)

ERIDANIA ITALIA spa – Bologna (sugar refinery)

EURO 7 - Udine (design and engineering)

EVERGOMMA srl - Fusignano (RA) (car industry rubber products)

EVONIK DEGUSSA ITALIA spa - Ravenna (carbon black)

EXPERTISE srl - Vado Ligure (SV) (industrial services)

FABBI IMOLA srl – Imola (BO) (electrical supplier)

FARINA SERVICE srl (electromechanical construction and maintenance)

FASSA BORTOLO srl - Spresiano (TV) (aggregates for the building industry)

FINCANTIERI spa - Venice (shipyards)

FIN-ECO LEASING spa - Brescia (financial services)

F.M.I. FARINA MANUTENZIONI INDUSTRIALI srl – Alfonsine (RA) (maintenance and repair of industrial machinery and metal structural work)

FONDAZIONE FLAMINIA - Ravenna (management of Ravenna university activities)

FOSFITALIA spa - Verona (feedstuff)

FRATELLI RIGHINI srl – Ravenna (general contracting)

GEA srl - Faenza (RA) (logistics)

GED srl - Cesena (FC) (prefabricated structures)

GLOBAL ENERGY T.R. Ltd - Montecarlo (Principality of Monaco) (industrial plant assembly)

GLOBAL GASES - Dubai (UAE) (industrial and specialty gases)

GOLDER ASSOCIATES srl – Torino (TO) (environmental engineering)

GOLF CLUB "I Fiordalisi" - Forlì (sports facility)

GOLFERA spa - Lavezzola (RA) (food-processing industry)

HALLIBURTON ITALIANA spa – Ortona (CH) (oil & gas services)

HERA spa - Ravenna (energy, water and environment)

HERA COMM spa – Imola (BO) (co-generation plants)

HYDRO DRILLING INTERNATIONAL srl – Ravenna (oil & gas contractor)

I.C.F. INDUSTRIE CERAMICHE spa - Faenza (RA) (ceramics)

IL SESTANTE srl – Ravenna (training center)

ITALIAN EMBASSY IN MOZAMBIQUE - Maputo (Mozambique)

IT WAY spa - Ravenna (information products)

ITER scrl - Ravenna (civil and industrial construction)

LA PETROLIFERA ITALO RUMENA spa – Bologna (petrochemicals storage and distribution)

LUCCHESI spa - Minerbio (BO) (PCV products)

MAGNETTI spa - Carvico (BG) (flooring)

MARINA DI CERVIA srl - Cervia (RA) (pleasure boats marina)

MARINE CONSULTING srl - Syracuse / Ravenna (diving contractors)

MARITTIMA RAVENNATE spa – Ravenna (shipping and forwarding agency)

MEDITERRANEA DI NAVIGAZIONE spa – Ravenna (shipping)

MERCATONE UNO spa – Imola (BO) (general supplier)

METALSIDER spa – Ravenna (iron and steel products)

MOROTTI spa – Carlo di Formigine (MO) (steel trading and recycling)

MTA Associati - Milan (architects' studio)

NAVIGAZIONE MONTANARI spa – Fano (PU) (shipping)

NORTH ADRIATIC OFFSHORE scrl - Ravenna – Rijeka (HR) (offshore plants)

NUOVA SAIMAR srl – Ravenna (environmental services)

OCEAN LLOYD srl - Crotone / Trieste (shipping company)

OFFICINE MARALDI BERTINORO spa – Bertinoro (FC) (pressure storage spheres and cryogenic tanks)

OIKI ACCIAI INOSSIDABILI spa – Parma (PR) (special steel)

ORDINE DEGLI INGEGNERI DI PESARO-URBINO – Pesaro (PU)

ORION ENGINEERED CARBONS srl – Ravenna (carbon black)

OVA-BARGELLINI spa - Pieve di Cento (BO) (electrical appliances)

PARCO DELLA STANDIANA srl a socio unico – Ravenna (Mirabilandia amusement park)

PARESA spa – Cesena (FC) (storage tanks and pressure vessels)

+ 39 CLAN DES TEAM CHALLENGE spa – Milan (team America's Cup)

POWER CROP spa – Bologna (renewable energies)

PROECO srl – Forlì (multidisciplinary engineering)

RANA DIVING spa – Ravenna (diving contractors)

RAVENNA PORT AUTHORITY

RES MARINA srl – Ravenna (diving engineering)

RIVOIRA OPERATIONS srl - Milano (manufacturer, marketer and distributor of industrial gases)

ROB GAS COMMERCIALE srl - Alfonsine (RA) (gas stations)

ROLLS ROYCE MARINE ITALIA srl - Genova (shipbuilding supplies and engineering)

ROLLS ROYCE ULSTEIN ITALIA spa - Bologna (cogeneration plants with alternative and turbogas engines)

ROMAGNA ACQUE SOCIETA' DELLE FONTI - Forlì (FC) (raw water treatment and distribution)

ROSETTI MARINO spa - Ravenna (general contracting)

ROSETTI-BOUYGUES OFFSHORE scrl - Ravenna (general contracting oil & gas)

R.S.I. (Ravenna Servizi Industriali) scpa - Ravenna (industrial utilities management)

SAACKE FRANCE - Bondy (F) (boilers and process systems)

SAGA ITALIA spa - Milano (logistics)

SAGIS spa - Imola (BO) (management of "Enzo e Dino Ferrari" racetrack activities)

SAPIR spa - Ravenna (terminal operator)

SCA (SVENSKA CELLULOSA AKTIEBOLAGET) spa - Lucca (tissue products for hygiene and packaging)

SCHLUMBERGER ITALIANA spa - Parma (oil & gas services)

SCHNEIDER ELECTRIC INDUSTRIE ITALIA spa - Rieti (RI) (energy management solutions)

SEASER spa - Ravenna (management of pleasure boats marinas)

SERS srl - Ravenna (towage and rescue services)

SETRAMAR spa - Ravenna (shipping and logistics services)

SFIR spa - Cesena (FC) (sugar refinery)

SGS (SOCIÉTÉ GÉNÉRALE DE SURVEILLANCE) ITALIA spa - Milan (surveillance and certification services)

SISTEC srl - Ravenna (thermo-technical plant installation and maintenance)

SKEMA spa - Milano (engineering and EPC contractor)

SOFIDEL spa - Lucca (paper mills and paper industry)

SO.F.TER. spa - Forlì (FC) (thermoplastic elastomers)

SOILMEC spa - Cesena (FC) (drilling and foundation equipment)

SOTRIS spa - Ravenna (environmental services)

STEPRA scral - Ravenna (marketing and land management)

STL OIL & GAS SERVICES o.o.d. - Bulgaria (logistics)

SUBSEA FENIX srl - Mezzano (RA) (sub-sea contractor)

SVA spa - Ravenna (car dealer)

SVILUPPO P.M.I. srl - Ravenna (training center)

TECHINT spa - Milano (engineering and construction)

TECHNOGYM spa - Cesena (FC) (wellness equipment)

TECHNOGEST srl - Bologna (HVAC global service)

TEMA SISTEMI spa - Ravenna (RA) (firefighting systems)

TERNIENERGIA spa - Nera Montorio (TR) (energy)

TONDINI spa - Ozzano Emilia (BO) (refined products)

TORO ROSSO TEAM - Faenza (RA) (Formula One team)

TOZZI SUD spa - Foggia (design, supply, construction of energy production systems)

TRACTEBEL ENGINEERING spa – Roma (engineering services)

TRIGNO ENERGY srl - Sansalvo (CH) (energy)

TURCHETTI srl (industrial maintenance and assembly)

UNIVERSITY OF BOLOGNA - Bologna

UNIVERSITY OF FERRARA - Ferrara

VANDEMOORTELE ITALIA spa - Genova (food process industry)

VINAVIL spa - Ravenna (adhesives)

VISTRA srl - Udine (HSE engineering)

WATER TEAM srl - Cesena (FC) (water treatment and plants)

WOLTERS KLUWER ITALIA srl - Assago (MI) (publishing/training)

YARA ITALIA spa - Ravenna (fertilizers)

More than 98% income comes from projects developed by private companies.

100% income comes from contracts won in open competition.

[**where**to**find**us]

via Pirano, 7 I–48122 Ravenna t. + 39 0544 591393 f. + 39 0544 591402 ravenna@techno-hse.com skype:techno.ravenna Coord. GPS: 44.4220 N 12.2224 E	Via Pomba, 23 I-10123 Torino t. + 39 011 5592895 torino@techno-hse.com skype: techno.torino Coord. GPS: 45.0652 N 7.6851 E	via Cogne, 35 I–40026 Imola (BO) t. + 39 0542 688292292 f. + 39 0542 643808 imola@techno-hse.com skype:techno.imola Coord. GPS: 44.3607 N 11.7206 E

Integer Ltd 5th Floor North Side 7-10 Chandos Street Cavendish Square London W1G 9DQ p.rescia@integerlimited.co.uk	**TechnoCyMa Consultores Lta** Avenida Amilcar Cabral, 445 Maputo – Mozambique info@techno-cyma.com	**Studio Pettenati-Turchetto** piazzale dei Legnami, 1/A I-34145 Trieste chimici@chimicidelporto.it

IF YOU WISH TO RECEIVE AN ON-LINE ISSUE OF OUR QUARTERLY HS+E MAGAZINE PLEASE E-MAIL US AT

info@hse-mag.com

HS+E MAGAZINE

BACK ISSUES ARE AVAILABLE AT
www.hse-mag.com

www.techno-hse.com

AVR 2017