



Maritime, Naval, River Port Protection

Products and services insured by



TechnoKontrol is a member of the



National Fire Protection Association
The authority on fire, electrical and building safety

INDEX

TK Maritime - Sea / River / Lake Safety & Security.....	6
Fuel tank internal installation process images depending on size, volume, petro-chemical stored.....	13
Chemical accidents, sabotage & terrorist actions against strategic national industrial, commercial, economic and transport systems.....	15
Oil, Petro-chemical Sea Tankers, Ports & Refueling Barges Technical Designs.....	21
Certificates.....	28
Legal Notice.....	30
Contacts.....	32

MARITIME, NAVAL,
RIVER PORT
PROTECTION

PROTECT







TK Maritime - Sea / River / Lake Safety & Security

Oil Tankers, Barges, Ports, Vessels Protection, Safety, Security
& Efficiency Technologies



Technokontrol Maritime Safety Technologies can provide its clients the best possible and of the highest safety, security, efficiency standards to prevent these operational, long terms assets in being protected as much as possible in the event of being attacked, sabotaged, suffering of accidents or operational incidents during maintenance, transport, refueling, loading, unloading, port deliveries, bunkering, etc.

TK-Maritime offer its clients the possibility to use several of its unique, patented, guaranteed safety, security, efficiency technologies for the use of any petro-chemical transports especially by maritime transportation methods.





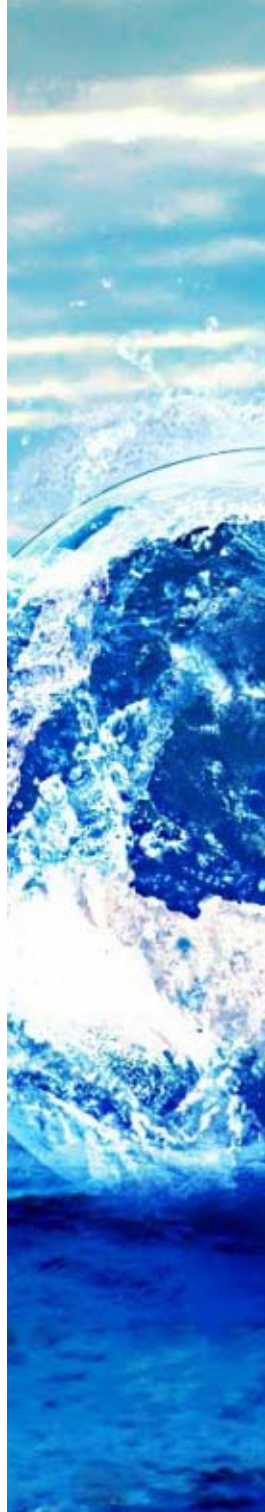
*UNIQUE, PATENTED, GUARANTEED
EFFICIENCY TECHNOLOGY*

A high-angle, wide shot of an offshore oil rig deck at sunset. The deck is filled with complex machinery, including pipes, valves, and a large vertical structure. A tall mast with a cluster of lights stands on the right. The ocean stretches to the horizon under a golden, cloudy sky. The overall mood is industrial and serene.

*GUARANTEED SAFETY, SECURITY,
TECHNOLOGIES*

Technokontrol can offer these following benefits which are being used already by government navy and safety maritime departments around the World:

- No explosions due to gas, fuels leaks due to external-internal accidental damage.
- No corrosion or oxidation inside the double hull, exterior or internally inside the vessels fuel tanks.
- No oxidation in the full fuel tank deposits due to Technokontrol anti-corrosion technologies.
- No algae growth inside fuel deposits protecting fuel quality and fuel chemical standards.
- All NEW/NON OPERATIONAL fuel tankers, vessels, barges will benefit from 100% anti-corrosion, anti algae growth from the very start before operation once the alloys have been installed at the shipyard.
- All USED/OPERATIONAL fuel tankers , vessels, barges will benefit that their present oxidation, corrosion, algae growth issues, complications will be" HALTED/STOPPED" with immediate effect once our Technokontrol Alloys are installed but the already present corrosion and/or algae growth will not be returned to new





standards but will be “halted” to again extend the operational life of the vessels and thus its financial amortization.

- No petro-chemical properties or chemical compositions changes will occur due to being in contact with Technokontrol alloys at any stage.
- Reduction of fuel vaporization if fully installed of up to 98% of the fuel transported or delivered.
- Reduction of aprox 5%-12% due to fuel fumes, vapors vaporization if only used between storage facilities, road tankers, petrol station, final end user, the client.
- No electro static charges can ignite the protected fuel tanks from climatic electrostatic charges or due to human operational reason as static for un-loading/loading fuel tanks at high speeds or similar reasons.
- Reduction in “sloshing movement” especially at high/strong seas where the vessels will not suffer from “sloshing” especially when not fully loaded or even empty when the ship is mostly more prone to have ballast or fuel movements.
- The use and operation of using Technokontrol “Safety Anti-Explosion Valves” and even the unique, patented advanced “High

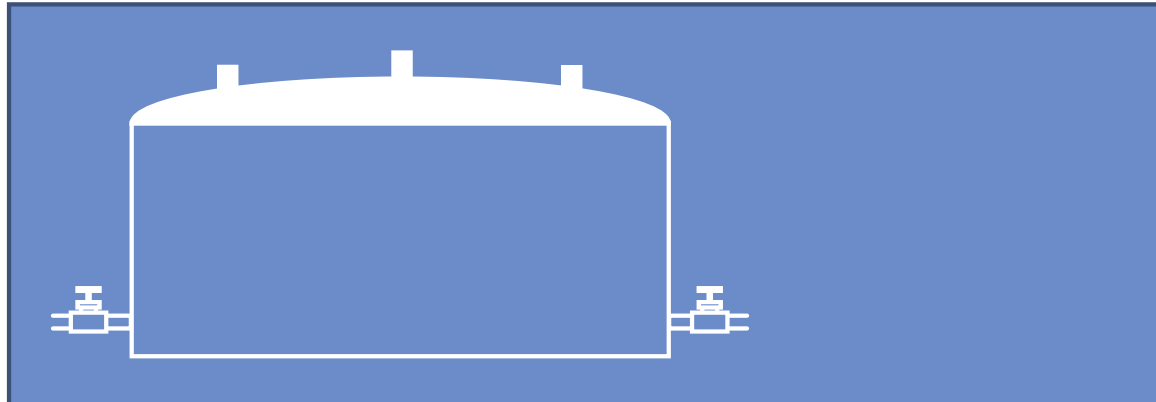
Speed Valve ", which can increase loading/unloading of fuels, petrol-chemicals depending of each type of fuel from 25% to 52% faster and with no risk of explosion fire, or ignition.

- The reduction of "sloshing movement" is also beneficial due to reducing metal stress at all external and internal vessel design levels also extending the vessels operation live span due to this and the reduction of corrosion which sea vessels suffer greatly.
- Technokontrol Alloys only occupies 1% in MESH format of the fuel tanker capacity thus a 100 ton fuel tanker will only lose 1 ton of fuel capacity per 100 tons. Thus 99 tons fuel net capacity is still remaining for the operator to be used.
- Technokontrol weighs only 0,25-0,50 grams per liter of fuel capacity thus 1000 liters or 1m³ of fuel the alloy installed only weighs from 25- 50 kilos installed due to its extreme light weight properties. The weigh difference is depending in the alloy required due to the vessels usages, age, climatic routes, production transport thus being of" lighter or heavier" alloy weight for each type of vessel and of use.

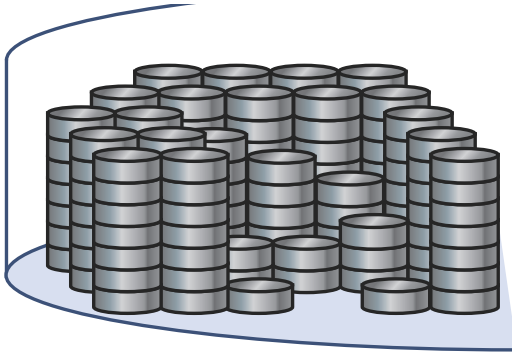
Fuel tank internal installation process images depending on size, volume, petro-chemical stored

Larger Fuel/Jumbo tanks will require specialist infrastructure systems designed and installed by TK-Global Engineering to install fully the internal volume of the tanks with our anti-explosion, anti-vaporization, anti-corrosion, anti-algae, anti-electrostatic safety and security technologies.

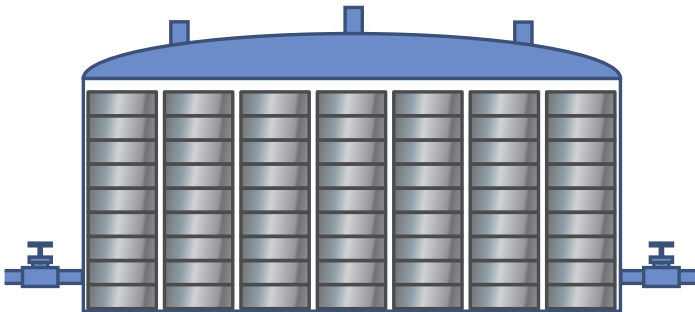
Empty tank - Tank without protection



TK Alloy being installed into tank



Full tank - Tank completely protected with TK Alloy



Chemical accidents, sabotage & terrorist actions against strategic national industrial, commercial, economic and transport systems

An Anti-chemical fire fighting/chemical protection machine is seen at the site of a chemical freight train explosion trying to disperse atmospheric chemicals which may reach the general population or even injure, kill, fire fighters, civil protection , health & safety operators, investigators, law enforcement operatives and ground-aerial emergency services, etc.

These safety & security anti-chemical contamination systems can be used, transported, installed in all types of our Technokontrol vessels, transports, safety platforms involving petro-chemical plants, storage facilities, refineries, chemical production plants, pipelines, rail freight, ports, harbors, etc.

Chemical transports can not only be used for normal industrial & commercial use but also used for an easy, effective way for sabotage, terrorist, anti-system attacks in any nation at global level as chemicals accidents or incidents can be easily made into chemical explosives/explosions with the simple derailment of

CHEMICAL TRANSPORTS CAN NOT ONLY BE USED FOR NORMAL INDUSTRIAL & COMMERCIAL USE

They can also be used for an easy, effective way
for sabotage, terrorist, anti-system attacks in any
nation at global level







NO SMOKING

PREVENT POLLUTION



a train, road tanker, sabotage of port chemical refueling/discharge facilities, internal plant fires, emergency operational system closures, etc.

Worst of all of atmospheric chemical sabotage, terrorist attacks which can be covered as operational accidents but really have political, strategic social, media and economic intentions to effective whole transport networks and closing, evacuating town, cities, general population.

These accidents have already occurred three times in the last year in Belgium where we all believe that safety and security are always of the highest European levels but as one can see these accidents or attacks can happen to any nation, operator, anywhere and at anytime globally, thus prevention, security and safety using Technokontrol technologies is and always will be paramount at all levels, especially at government, transport, law enforcement, civil protection, health & safety levels for any nation regardless of its global location.



Oil, Petro-chemical Sea Tankers, Ports & Refueling Barges Technical Designs

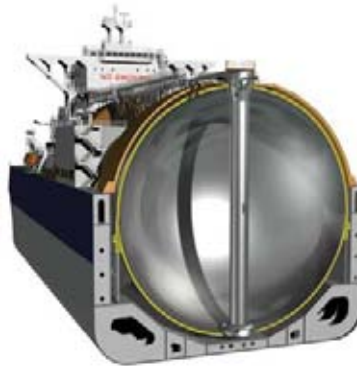
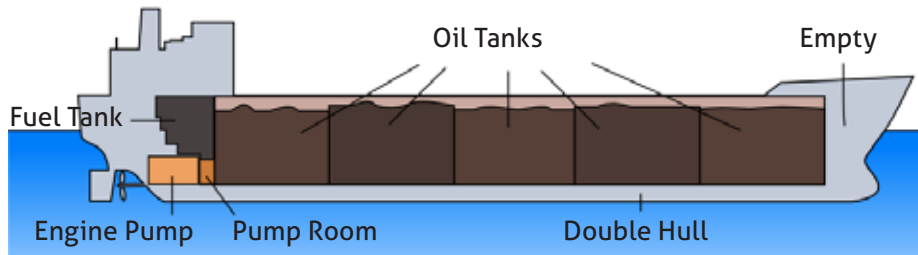


*PREVENTION, SECURITY AND
SAFETY USING TECHNOKONTROL
TECHNOLOGIES ARE AND
ALWAYS WILL BE PARAMOUNT AT
ALL LEVELS*





Oil Tanker Side View



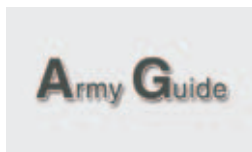


NO SMOKING
DANGEROUS CARGO





Certificates





DSEAR

HAZLOC

Architects
Engineers
Building
Officials
Section

JAA



CE



SOUTHWEST



National Fire Protection Association
The authority on fire, electrical and building safety

LEGAL NOTICE

Copyrights TechnoKontrol Cat Global S.L. All Rights Reserved. The text, images, graphics, sound files, animation files, video files and their arrangement on TechnoKontrol Cat Global S.L. Internet sites are all subject to Copyright and other intellectual property protection. These objects may not be copied for commercial use or distribution, nor may these objects be modified or reposted to other sites. Some Technokontrol Internet sites also contain material that is subject to the copyright rights of their providers. All modifications of the web or publicity can be done as the corporation requires. All web and publicity information is not contractual but only information.

Product variations. Some of the product information, illustrations and images contained on this Internet site or all types of publicity may have been prepared for generic use on Technokontrol Internet sites maintained in different countries around the world. Consequently, some of the information and/or accessories which are not available in some countries or which, in order to satisfy local market demand or regulatory controls in such countries, may only be available in different specifications or configurations.

If you are interested in any product, alloy, services, options or accessory shown on the Internet site or publicity and are unsure of its availability or specification in your locality, you should contact TechnoKontrol Cat Global S.L. and/or a local authorized dealer for the relevant product, for information of current details in your locality.

DISCLAIMER

We do not make representation that information and materials on this website and corporate publicity are appropriate for use in all jurisdictions available on the web, or that transactions, securities, products, instruments or services offered on this website or publicity are available or indeed appropriate for sale or use in all jurisdictions, or by all investors or other potential clients. Those who access this website or publicity do so on their own initiative, and are therefore responsible for compliance with applicable local laws and regulations. By accessing each site, the entrant has agreed that he/she has reviewed the website or publicity in its entirety including any legal or regulatory terms.

AVISO LEGAL

Propiedad Industrial e Intelectual

Estos textos e imágenes, así como todo tipo de publicidad en cualquier formato es propiedad de TechnoKontrol Cat Global SL. Los derechos de Propiedad Intelectual y derechos de explotación y reproducción de esta publicación y publicidad, de sus páginas, la información que contienen, su apariencia y diseño, son propiedad exclusiva de éste salvo que se especifique otra cosa. Todas las denominaciones, diseños y/o logotipos que componen esta publicación son marcas debidamente registradas. Cualquier uso indebido de las mismas por persona diferente de su legítimo titular podrá ser perseguido de conformidad con la legislación vigente. Los derechos de propiedad intelectual y marcas de terceros están destacados convenientemente y deben ser respetados por todo aquel que acceda a la Web y los folletos informativos. Solo para uso personal y privado se permite descargar los contenidos, copiar o imprimir cualquier página de esta publicación. Queda prohibido reproducir, transmitir, modificar o suprimir la información, contenido o advertencias de esta publicación sin la previa autorización escrita de TechnoKontrol Cat Global S.L. Toda la información expuesta en la publicación o en cualquier tipo de formato publicitario es únicamente informativo y no constituye ninguna obligación contractual.

DROITS D'AUTEUR

Copyright TechnoKontrol Cat Global S.L.. Tous droits réservés. Tous les textes, images, graphiques, sons, vidéo et animations ainsi que leur arrangement ou disposition sont protégés au titre du droit d'auteur et aux autres lois relatives à la protection de la propriété intellectuelle. Ils ne peuvent être ni modifiés, ni copiés à des fins commerciales ou à des fins de reproduction, ni utilisés sur d'autres sites web.

Marques commerciales. En l'absence d'indication contraire, toutes les marques mentionnées sur les pages internet de TechnoKontrol. sont des marques déposées par TechnoKontrol Cat Global S.L. et protégées sur un plan légal. Cela concerne en particulier les noms de produits ou services ainsi que tous les logos et emblèmes du groupe TechnoKontrol Cat Global .S.L.



TechnoKontrolTM
WHERE YOUR SAFETY IS OUR PRIORITY

TECHNOKONTROL

Ms. L. Cañada

C.E.O.

lcanada@technokontrol.com

Tel +(34) 698 893 269

SALES

Mr. David Doyle

info@technokontrol.com

www.technokontrol.com

Ms. Sonia Martín

sales@technokontrol.com

Tel 902 002 005

Fax 902 002 006