



SERVICE & AFTER SALES

 scanjet

WORLDWIDE SERVICE WITH A LOCAL PRESENCE

SCANJET IS THE WORLD'S LEADING MANUFACTURER OF TANK CLEANING EQUIPMENT AND SUPPLIES EQUIPMENT TO OVER 70% OF THE WORLD'S TANKER FLEET AND A MAJOR PROVIDER TO LAND BASED INDUSTRIES.

Scanjet Service & After Sales Department has, during the years, developed its capabilities to world-wide track and service approximately 8.500 Scanjet equipped vessels. Our world-wide service capabilities are strengthened by the additional in-house service engineers, that can maintain all Scanjet ITAMA equipment, for example: a service attendance that starts in Singapore can be finished by one of our other service hubs in Rotterdam.

SAVE MONEY AND MAXIMISE OPERATIONAL UP TIME

The best way to minimise the risk of operational down time is through preventive maintenance. Planned maintenance, gives the opportunity to prevent a fault before it occurs, saving not only man hours but also maximising operational uptime and avoiding cost due to loss of operation. Make sure you use our Service Record Books for track of service and best practices. Training of crew and updating the vessels (PMS) Planned Maintenance System is always a good investment.

SUSTAINABILITY

Scanjet have adopted United Nations Global Compact initiative. Sustainable operation is in our core thinking and the way we work. We use local service engineers as much as possible we pack goods in an environmentally friendly way. We strive to reuse and make sure waste is treated properly out onsite. Organizations now understand that financial profitability is very much linked to social equity and environmental care, and the need to integrate sustainability across the value chain has been widely recognized. ASK for our green services.



ITAMA INTELLIGENT TANK MANAGEMENT



ITAMA is our concept, our way of thinking and our core business approach. Scanjet assist with everything from loading and offloading your cargo to monitoring the cargo status, we keep you informed, safe and afloat.

With our experience and knowledge on tank equipment we can ensure the safety of the cargo and add value on services, since

we can service multiple products and systems in one service call. If we for an example do service on Tank Level Gauging you can always ask for a status report of i.e. P/V valves and or Tank cleaning machines, VECS etc.

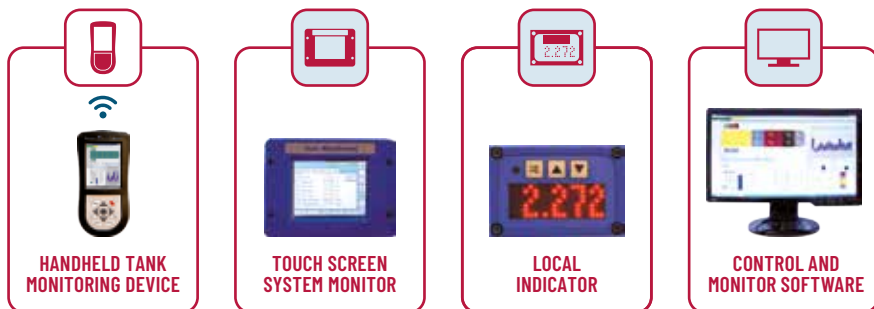
SCAN REMOTE SUPPORT SYSTEM SRSS



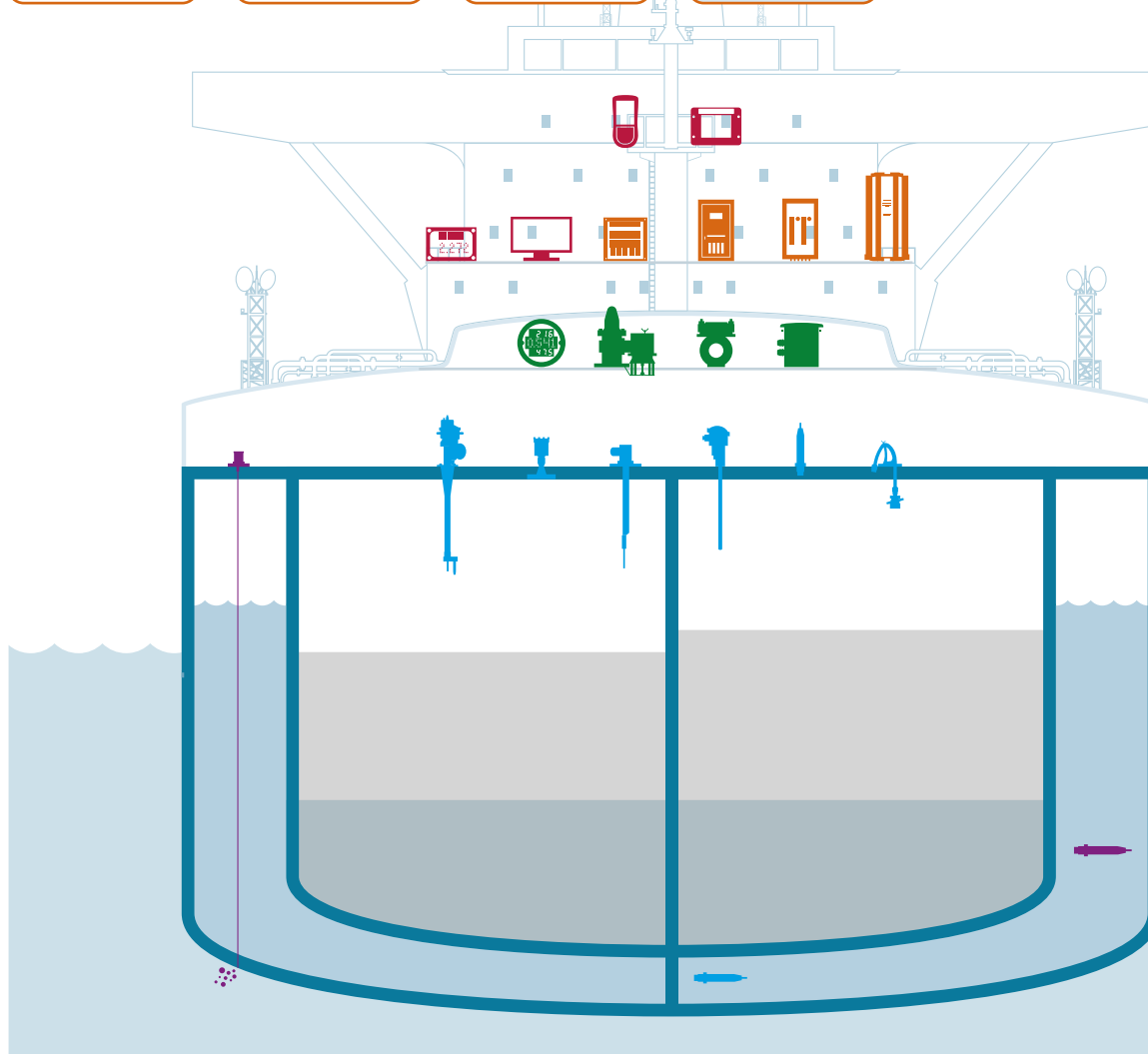
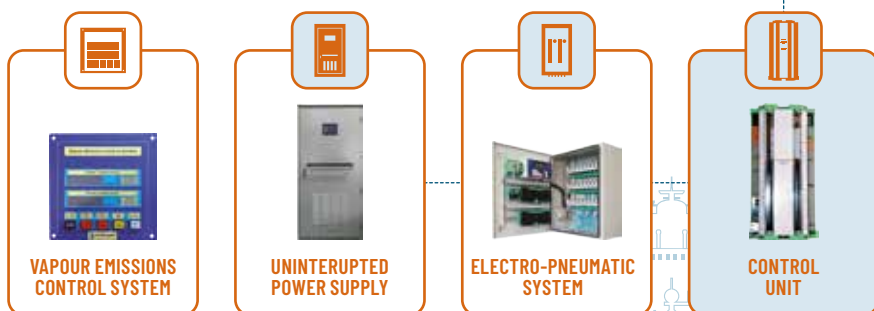
With a new Scanjet Remote Service Setup (SRSS), we can support without attendance onboard. Our S/E team can connect remotely to the system, troubleshoot and provide support, with the only

requirement being a stable internet connection. Older systems can be upgraded to our new standard - just ask us!









DATA VISUALISATION & CONTROL















SYSTEMS EQUIPMENT







DECK LEVEL EQUIPMENT

  <p>LOCAL INDICATOR (EX)</p>	  <p>BLIND FLANGE VALVE</p>	  <p>GAS FREEING FAN</p>	  <p>PRESSURE/VACUUM VALVE</p>
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DECK INSTALLATION EQUIPMENT

  <p>TANK CLEANING MACHINE</p> <p>CLEANING</p>	  <p>TEMPERATURE ELEMENT</p> <p>TEMPERATURE</p>	  <p>NON-CONTACT MICROWAVE RADAR</p> <p>LEVEL GAUGING</p>	  <p>TANK/LINE/PUMP PRESSURE SENSOR</p> <p>TANK PRESSURE</p>	  <p>INDEPENDENT 95%-98% ALARM</p> <p>HLOA</p>	  <p>PORTABLE CLEANING EQUIPMENT</p> <p>CLEANING</p>
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WATER BALLAST TANK & DRAFT

  <p>WATER BALLAST LEVEL SENSOR</p>	  <p>ELECTRO-PNEUMATIC SENSOR</p>
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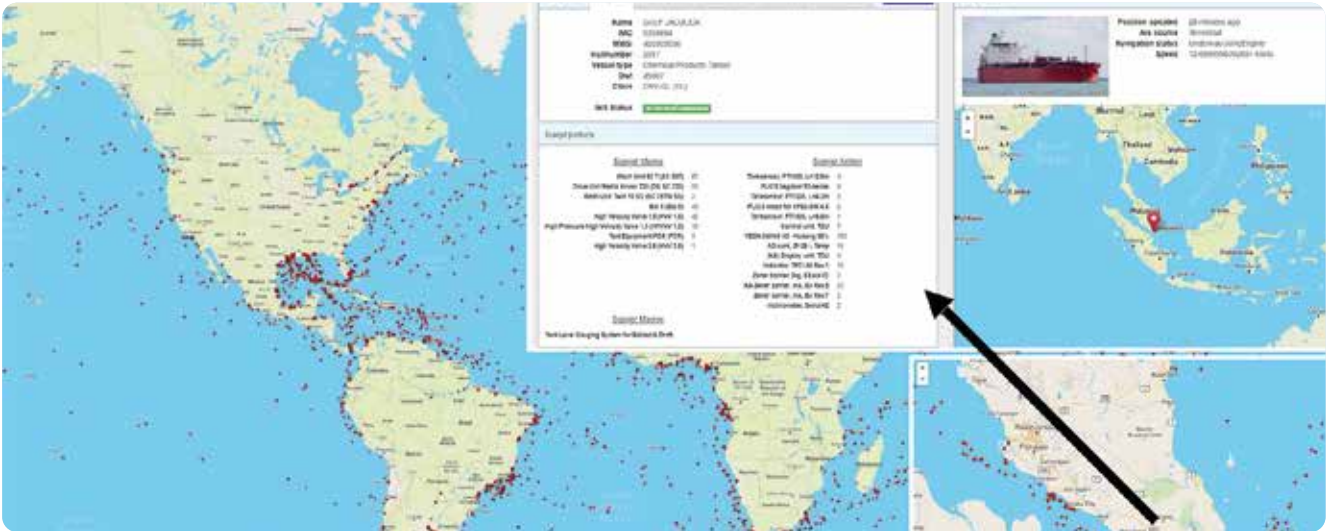
 ITAMA CONNECTED

 OPTIONAL EXTRA



INTELLIGENT
TANK
MANAGEMENT

MONITOR YOUR FLEET SUBSCRIPTION BASED



Scanjet Register keeps track of all Scanjet installations both on land and sea. Here we can track the performance and statistics of the single components up to a full ITAMA system including all Scanjet products.

SCANJET REGISTER SYSTEM

With decades in the industry and significant data gathering Scanjet developed a vast database containing maintenance data onboard all vessels and installations. Analysing various consumption patterns over time provides insight and improvement opportunities for the end user. The output can be further improved when combined with additional end user operational data which significantly pinpoint areas of potential improvements resulting in lower over time costs and reliable uptime.



DRY-DOCKING SUPPORT



Scanjet Service directly manages major refits across the world on a regular basis. Service Managers/Engineers are deployed both domestically and internationally, often at short notice, on a dry-docking project basis to oversee major overhauls & repairs as well as larger replacements and refits.

With our experience and knowledge on tank equipment we can

ensure the safety of the cargo and add value on services, since we can service multiple products and systems in one service call.

If we for example, do service on Tank Level Gauging you can always ask for a status report of i.e. P/V valves and or Tank cleaning machines, ODME, VECS. One Engineer for multiple jobs saving time and money.

RENTAL



We offer Service Frame Agreements & Rental Services which includes rental of equipment with service agreements and annual services and status reports.

GLOBAL WARRANTY



All work and parts supplied by Scanjet will receive a Global Warranty thus focusing on giving the ship-owner best possible support and service during the vessel's lifetime, with rapid and professional follow-ups on spares and service requests.

SPARE PARTS



Readily available service kits including all necessary parts to perform a correct overhaul. Pro-long the equipment's lifecycle with original spare parts and lower your operating costs.

Spare parts are ready to be shipped out within 1 days' notice.

Price requests are answered within 24 hours.



ACCESSORIES



HOSES

Tank cleaning hoses are available in various lengths. Our standard hoses are manufactured in EPDM rubber and incorporate two stainless steel bonding wires to ensure electrical continuity. We can also supply stainless steel hoses for special applications. Moreover, Scanjet can provide acid resistant hoses when more aggressive cleaning is required.

RUBBER BUMPERS

To minimise the risk of coating damage Scanjet recommend the use of rubber bumpers particularly when cleaning close to the tank walls.

CONNECTIONS & ADAPTERS

A variety of adaptors and connectors are available in a selection of materials all of which are suitable for the marine environment.

SERVICE KITS

These contain all the necessary parts and instructions to carry out easy and effective planned maintenance.



SCANJET ACADEMY



SCANJET TRAINING AND EDUCATION

Scanjet has been training crew and ship management representatives for almost a decade now. Everything from Service and Superintendent seminars to hands-on onboard the vessel. With our unique knowledge accumulated over several decades we can offer everything from general to custom oriented training sessions and programmes. Normally it's one day per system or according to quotation.

SYSTEM OPERATOR BASIC

Provides a comprehensive understanding of the function and operation of our system and the regulations governing Tank Level Management. This course will include simple troubleshooting and ensure operational efficiency.

SCANJET WEBINARS

This webinar will give you in-depth knowledge of the system or product of your choosing, the benefits are that no one has to travel and it requires little lost time preparing and planning. This requires a stable and decent connection to internet. This type is excellent for training in smaller groups. Ask for quotation and options we are very adaptable on webinars.

CREW TRAINING

This practical hands-on service will familiarise your crew with function and operation of our Tank Management System. Normally conducted just prior to delivery of a new-build, this service is also available when crews are changed or just require a refresher course.

SYSTEM FAMILIARISATION

Learn how our system works and how it is controlled, what the rules and regulations are in governing Tank Management. This service is targeted at your new-build site team and those in your organisation who require a little more knowledge about Tank Management Systems and its components.

SYSTEM OPERATOR ADVANCED

This high-level course will give you in-depth knowledge of our system and the issues around Tank Management. You will learn how to operate the system, find faults, troubleshoot problems and preserve and maintain the equipment in optimal condition.

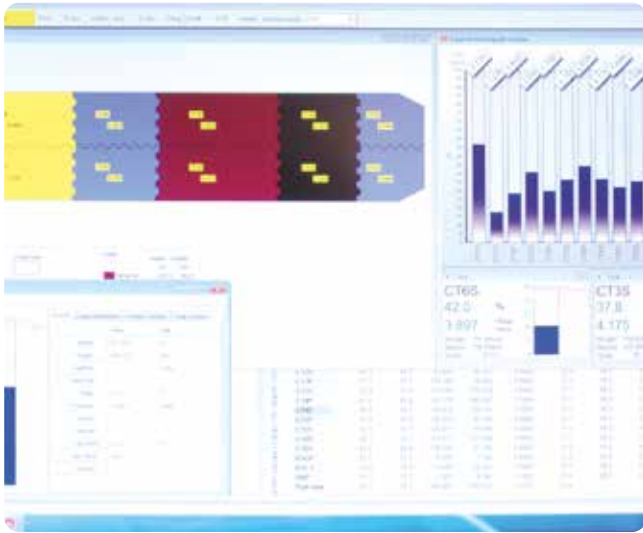
SCANJET SEMINAR

Our seminar gives in-depth knowledge of our systems and the issues around Tank Management. It is a popular seminar at superintendent and technical yearly meetings. You will learn what we deliver, best practice to install, and the benefits of a fully integrated Scanjet Systems. Covers full scope of Scanjet equipment or the scope you wish to discuss.

SCANJET START-UP

This includes start-up of the Scope of Supply, and Training on-site. Ideal for groups of less than ten persons (for safety reasons and to ensure that the relevant training is completed).

SOFTWARE



ANWIN

Our in-house developed mimics & data presentation software running on PC Workstation with MS Win OS adapted to each custom made tank level gauging system.

PUMP AND VALVE CONTROL SYSTEM

An advanced and user-friendly SCADA based software for integrated monitoring and control of pumps and valves for cargo and ballast/service tanks that offers built in redundancy and a distributed server/client model that is highly configurable.

WASHTRAC™

The innovative tank cleaning monitoring system improves the efficiency and control of the tank cleaning procedure. A more efficient tank cleaning procedure gives shorter turnaround time in port, increasing the profitability.

LOADING CALCULATOR

Performs strength and stability calculations based on intact stability. The software is fully integrated with the Surveyor level gauging system. The system performs continuous strength and stability calculations for the online condition, and raise alarms based on stability versus IMO criteria and stress versus class limits.

The sensors and software are an integral part of the Surveyor™ nonetheless these can be supplied as stand-alone components as well.



SERVICEABLE PRODUCTS & SYSTEMS

LEVEL GAUGING EQUIPMENT

Our platform is a complete tank measurement, automatic level gauging and cargo monitoring system running on in-house design and developed electronics hardware, operating system and software. The system is one of the most comprehensive and accurate available

for this specific application with Self calibrating circuitry that do not require periodic span adjustments. Together with advanced signal handling and computer technology, the functions included and corresponding sensors are as follows:

RADARS



Scanjet high frequency pulse radar, ScanRad, is a high performance instrument for measurement of level/ullage in tanks. The compact design ensures easy and flexible installation. Purpose developed software enables the user to filter any echoes from obstacles in the tank to ensure accurate reading.

PRESSURE TRANSMITTERS



Custom-made high-quality pressure transmitters measure absolute or gauge pressure depending upon the application. Transmitter construction is fully laser welded and internally encapsulated to ensure complete sealing. Materials of construction are SS316L, Titanium, Hastelloy to suit all shipboard fluid. All are rated IP68 and suitable for permanent submersed operation. Transmitters are Marine Type approved and Certified Intrinsically Safe for hazardous Area applications.

INDEPENDENT HIGH LEVEL & OVERFILL ALARM



SurveyorTM, using acoustic wave and SMA2000, using float switch technology are proven high quality Independent High Level & Overfill Alarm Systems for marine applications. The complete system can be delivered either as a single or as a dual point system for high level and overfill (high-high) level alarm detection for any liquid including hydrocarbons and chemicals.

TEMPERATURE TRANSMITTERS



Standalone in-house developed PT100 / PT1000 temperature sensors can be integrated into the SurverorTM system. Our pressure transmitters and water ingress sensors have integrated temp transmitters as well, temp data being presented in the level gauging mimics software.

WATER INGRESS



Scanjets SURVEYOR™ Water Ingress Detection & Alarm System is designed to detect the presence of water in the cargo holds of bulk carriers. The system is in full compliance with regulations, following the International Association of Classification Societies' adoption of a unified interpretation of the International Maritime Organization's (IMO) Performance Standards for Water Level detectors on Bulk and single hold General Cargo Carriers.

VAPOR EMISSION CONTROL SYSTEM



SMV3000 System is developed to monitor the vapour pressure and oxygen contents in the vapour main collection lines during discharging oil from tank vessels, as required by IMO and USCG regulation CFR 46 part 39, parameter 39.20-13. The system consists of a detector cabinet mounted on deck nearby the vapour manifolds with EEx ia approved oxygen and pressure sensors, flow fall switch, 5 way manifold selector and calibration facility. The electric cabinet is mounted in the cargo control room with alarm panel.

ELECTRO-PNEUMATIC LEVEL GAUGING



The SML-1000 electro pneumatic system offers continuous measurement providing DC 4-20 mA or digital Modbus outputs to central display units, to Integrated Alarm Monitoring System and to Loading Computer. The largest systems delivered is composed of 20 cabinets in different fire zones, which monitor more than 250 measuring points.



SERVICEABLE PRODUCTS & SYSTEMS

TANK CLEANING & GAS FREEING EQUIPMENT



Scanjet offers the widest range of fixed and portable tank cleaning equipment, with fixed machines of programmable single nozzle type or non-programmable twin nozzle type available.

All machines are available in different sizes and materials with a full range of accessories, such as hoses, couplings and hose

saddles. Gas Freeing Fans driven by water or air and be installed in many marine and land based applications.

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PORTABLE EQUIPMENT



Turnaround time is crucial and the tank cleaning period should be kept to a minimum, In most cases this is achieved by fixed equipment but Scanjet can also provide portable tank cleaning machines to reduce time and cover any shadow areas in the tanks. The portable machines are normally twin nozzle, turbine driven and

media lubricated. The machines automatically create an orbital wash pattern in the tank which ensures safe and reliable back-up cleaning.

HIGH VELOCITY PRESSURE/VACUUM VALVES



High-Velocity Pressure/ Vacuum or P/V Valve is a valve that provides automatic safety control of pressure differentials during cargo operations and during the voyage to avoid ship's cargo tanks damage.

Whenever the cargo tank is over-pressurised above a pre-set level, the release valve opens, ensuring that venting is released at high velocity to avoid gas concentrations on the deck. In the event of low-pressure below a pre-set level, the vacuum valve

opens and draws air into the tank through a flame trap. The Pressure/ Vacuum valve ensures that the cargo tank pressure remains within the pre-set operational pressure limits.

The system provides for automatic trim and list correction and allows exporting of level either at the flotation centre of the tank, at the sensor location or at the sounding pipe.



WORLDWIDE SUPPORT AND SERVICE

24/7 SUPPORT WITH RAPID DELIVERY

MONITORING
SERVICES

SUPPORT
SERVICES

SPARE
PARTS

MAINTENANCE
SERVICES

IMPROVEMENT
SERVICES

TRAINING
ACADAMY

TECHNICAL
DOCUMENTATION

SERVICE
KITS

SERVICE
AGREEMENTS

Our real-time tracking of vessels enables us to rapidly deliver support, service and spare parts whenever and wherever you need them.



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