



“
when passion
meets talent and
experience meets
innovation **”**
progress comes to life

C.E.O.
Dott. M. Crotti



REDUCE

Co₂ emission

Power needs for dredging

Micro-particles dispersion

Min



Science and technology meet for sustainable development while respecting and preserving ecosystems

OUR MISSION is to make a contribution to **LOWER CO₂ EMISSIONS INTO THE ENVIRONMENT**, using a proactive approach in Research & Technology of solutions that work in the preservation of Ecosystems, while also presenting **IMPORTANT SOCIAL AND ECONOMIC BENEFITS**.

- LOWER CO₂ EMISSIONS from the dredger, production and transport
- REDUCTION OF ENVIRONMENTAL IMPACTS with the use of a **HYBRID TECHNOLOGY** which exploits the RENEWABLE ENERGIES
- ECOSYSTEM PROTECTION: Reduction of micro-particles dispersion in water environments
- REDUCTION OF THE ENERGY CONSUMPTION: most efficiency of the PIPE therefore a LOWER NUMBER OF BOOSTERS REQUIRED
- RELIABILITY OF DISCHARGE LINES

RESEARCH AND ANALYSIS

INTEGRATED APPROACH
FROM GEO-CLIMATE ANALYSIS
TO SEDIMENTS AND PROGRAM OF WORK

Not one solution
for everything
but the
BEST SOLUTION
for each project

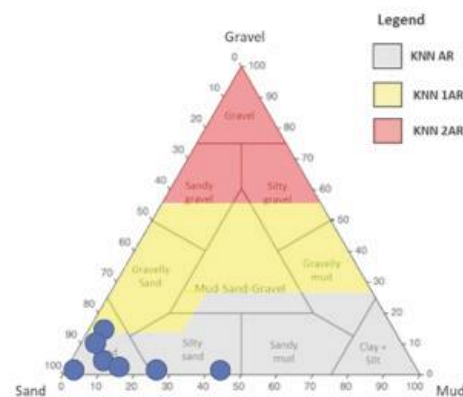
It is not possible to generalize a proposal that is valid everywhere. Our systems are not generic pipes for sediment transport but complex systems designed and built according to the needs of the site which they will operate.

 *Coordinator*
**ENGINEERING & TECHNOLOGY
SOLUTION FOR DREDGING**

Geology - Geomorphology Analysis & Solutions

From the **SEDIMENT GRANULOMETRY ANALYSIS** that are present in the dredging site, we identify the type of pipes that offer an advantage in term of costs and benefits. The purchase is qualified not as a commodity but as an asset.

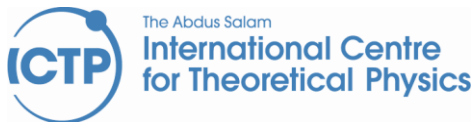
In assessing the hardness and **ABRASIVENESS OF SEDIMENTS**, we refer to the parameters derived from tests performed by the Cerchar Test, standardised by ASTM D7625, and the related CAI (Cerchar Abrasivity Index) scales, aimed at verifying the abrasion of aggregates from different types of lithological formations.





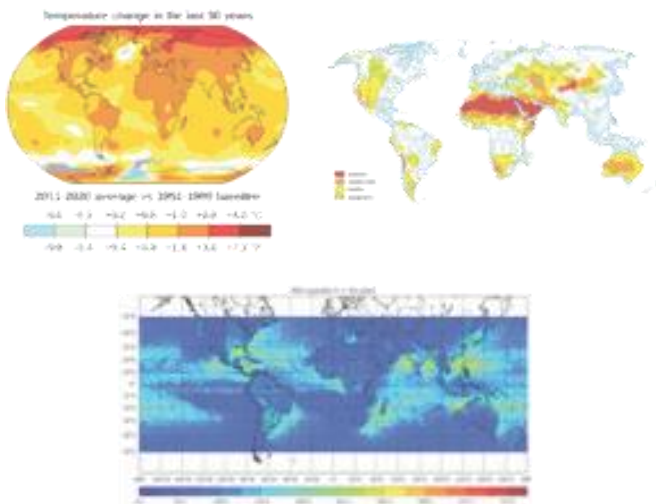
When science meets industry

OUR EXPERTS TEAM



International Centre for Theoretical Physics (ICTP) Nobel

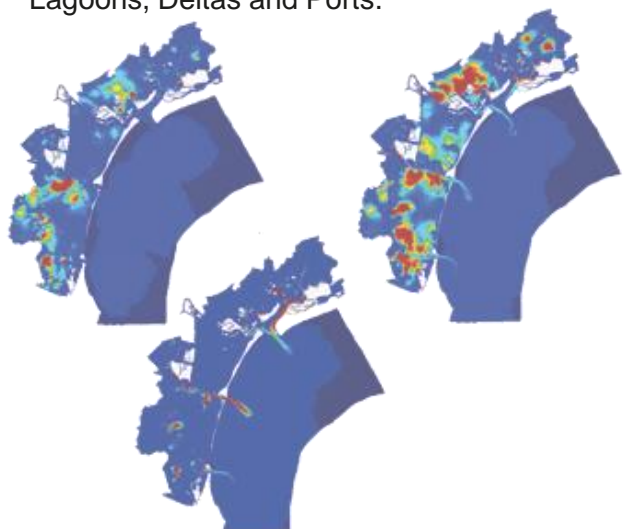
MACRO AREA CLIMATOLOGICAL MODELS and their interactions with human and environmental systems, formulating and identifying different lines of action and evaluating associated benefits and risks.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

University of Padova - Depart. of Civil, Building and Environmental

Study of HYDRODYNAMIC MODELS
Geological, Mineralogical, measurements, quantification and monitoring of Sediments.
Predictive mathematical models for eco-morphological changes in Waterways, Lagoons, Deltas and Ports.



WITH

KIASMA THE

PIPELINE

IS AN

ECO-SMART
MACHINE

Patent n° 102021000018518

there is no progress without scientific

and technological research



Technology inside

- HIGH resistance to abrasion and laceration
- HIGH Resilience
- LOW roughness
- HYBRID transport system
- REMOTE measuring of the working parameters

HYBRID PIPELINES DEVICE FOR DREDGING OPERATIONS

HYBRID PIPELINES

MULTILAYER PIPE

HIGH resistance
to abrasion
and laceration

LOW
roughness

HIGH
resilience

THE KFC[®] SYSTEM



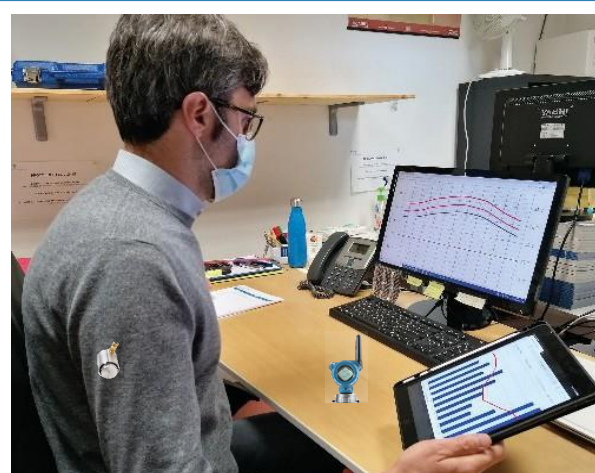
TECHNO- LOGY OUTSIDE

ECOSYSTEM PROTECTION: REDUCTION OF MICRO-PARTICLES DISPERSION

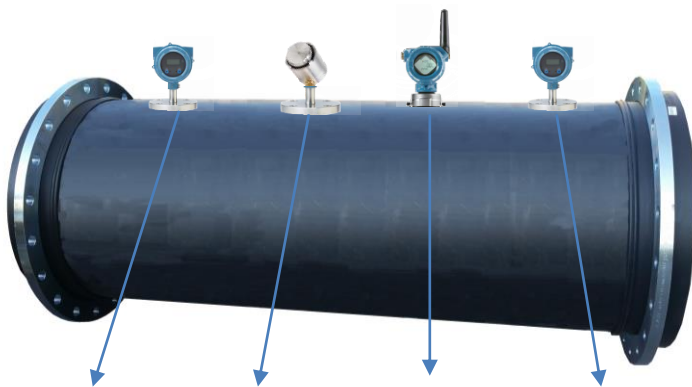
The reduction of the pipeline's abrasion leads to lower micro-particles dispersion into water environments.

HYBRID
transport system
More sustainable
RENEWABLE ENERGIES

REMOTE measuring of the working parameters



Parameters Remote Control:



Pressure Thickness Temperature Weight & m³



WHO

WE ARE

KIASMA®

is an Italian company located in the north east of Italy.

KIASMA®

is the parent company of **KIASMA GROUP**.

KIASMA®

is an **E.P.S.** (*Engineering, Procurement, Services on site*) company specialized in the dredging, marine and oil sectors with more than 40 years of experience and an iconic portfolio of projects in the world.

KIASMA®

is the leader in dredging pipeline solutions.

Strategic Partnerships, international culture and local presence around the world give shape to its global footprint.

Private Companies, Port Authorities, Ministries and Governments in 76 Countries in the world trust us for the purchasing of discharge lines for the transport of dredged materials.

KIASMA GROUP is redefining the investment perspectives for obtaining investment benefits and good results until the purchase is qualified not as a commodity but as an asset.



VISION

KIASMA is constantly striving to be a global EPS for floating or self-sinking discharge line solutions and management for the Dredging Sector. We are committed to spreading technology and engineering, training and supporting the operators in the industry on site.



MISSION

We are at the forefront of supporting the environment in an industry where products must meet global demand for recycling and disposal, as opposed to lax and environmentally dangerous and polluting practices, providing solutions and technologies for the recycling of materials and for the safety of our products on site. We are committed to providing quality services and products in line with the needs of our partners while maintaining first-class performance in all our business activities.



VALUES

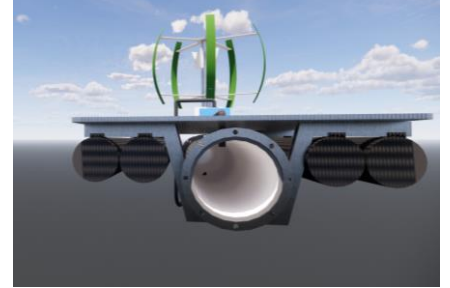
Uncompromising ethics and environmental awareness. Our employees are our most valuable resource, we make every effort to provide them with appropriate training. Their health and safety is fundamental to our organisation. Thanks to our proven Leadership we are able to lead with integrity, competence and creativity, an organisation capable of operating throughout the international market.

This allows us to continuously improve, setting an example to our entire team. We strongly believe in collaboration and teamwork as this also creates a flow of information and knowledge exchange, allowing production units to improve their products and collective know-how.

ENGINEERING PROCUREMENT SERVICE ONSITE

TRAINING ON HYBRID ENERGY

Theoretical and applied trainings on hybrid energy.
Installation of hybrid systems.
Information for the correct use.
Use and handling manual.



TRAINING ON REMOTE CONTROL

Product knowledge training.
Specialised staff for training
Essential operator training
solutions.
Technical operating manuals.
Use and handling manual.



TRAINING

Theoretical and applied trainings are held by KIASMA engineers, providing all the necessary information for the correct use, handling and storing of thermoplastic products, as well as their repairment procedures.



ASSEMBLY

Qualified technical staff can perform the assembly of the pipeline and all its component, ensuring high quality standards.



WELDING

Qualified technicians, with international welding license and certified equipment, can perform welded junctions and connections directly on site.





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*... There is no future without
technological progress ...*