Energy efficiency in shipping

WHY IT MATTERS

Global efforts to reduce greenhouse gas emissions from shipping rely heavily on improvements in energy efficiency and increased uptake of low-carbon technologies. Better energy efficiency means less fuel is used, and that means lower emissions.

Funded by the European Union and implemented by IMO, the GMN initiative unites technology centres – MTCCs – in targeted regions into a global network. Together, they are promoting technologies and operations to improve energy efficiency in the maritime sector and help navigate shipping into a low-carbon future.

Developing countries and, in particular, LDCs and SIDs, will be the main beneficiaries of this ambitious initiative.

Building capacity

Carefully selected to become centres of excellence for their regions, the MTCCs focus on technical co-operation, capacity building and technology transfer.

Supported by IMO and EU, the MTCCs act as regional focal points for a wide range of activities to:

- improve compliance with existing and future international energy-efficiency regulations
- help participating countries develop national energy-efficiency policies and measures for their maritime sectors
- promote uptake of low-carbon technologies and operations in maritime transport
- establish voluntary pilot data-collection and reporting systems to feed back into the global regulatory process.

Partnership and outreach

The MTCCs are partnering with forward-thinking academic institutions, commercial and shipping companies, government departments and authorities as well as other UN bodies with a climate-change mandate to pursue these far-reaching objectives.

The GMN also supports innovation with outreach. The outcomes of the various project activities will be widely shared and publicised, to magnify their effectiveness and add further value for all stakeholders.

Your chance to participate

Estimates say ships’ energy consumption and CO₂ emissions could be reduced by up to 75% by applying operational measures and implementing existing technologies. The GMN is on the cutting edge of climate-change mitigation – and, at the same time, opening up a world of opportunities for those who participate in it.

If you’d like to be part of this innovative and ambitious project, contact the IMO Project Coordination Unit or your regional MTCC to find out more.

For more information please visit GMN.imo.org
A GLOBAL NETWORK

**MTCC-CARIBBEAN**
The University of Trinidad and Tobago
MTCC-Caribbean is situated within the University of Trinidad and Tobago (UTT). With maritime capacity building at the core of its operations, MTCC-Caribbean is collaborating with the 16 countries of the Caribbean region.

**MTCC-AFRICA**
Jomo Kenyatta University of Agriculture and Technology
MTCC-Africa is hosted at two offices in Kenya’s coastal region: the Jomo Kenyatta University of Agriculture and Technology (JKUAT) Mombasa Campus and the Regional Maritime Rescue Coordination Centre within Mombasa port. MTCC-Africa engages with 42 countries of the region, mostly LDCs.

**MTCC-ASIA**
Shanghai Maritime University
The Asian MTCC has two offices in Shanghai, China; one at the Shanghai Maritime University (SMU) and the other at Waigaopiao Port. MTCC-Asia is assisting 32 countries in the region to enhance their capabilities to address greenhouse gas emissions from shipping.

**MTCC-LATIN AMERICA**
International Maritime University of Panama (UMIP)
MTCC-Latin America is situated within the International Maritime University of Panama (UMIP) and is collaborating with 17 countries across the region.

**MTCC-PACIFIC**
The Pacific Community (SPC) and the Secretariat of the Pacific Regional Environment Programme (SPREP).
MTCC-Pacific is implemented by the Pacific Community (SPC) and the Secretariat of the Pacific Regional Environment Programme (SPREP). The Centre will be situated within SPC’s Regional Office in Suva, Fiji. MTCC-Pacific is collaborating with 13 island states across the region.
OUR NETWORK FOCAL POINTS

Get in touch

MR ROBERT KIPLIMO
MTCC-Africa
kiprob@eng.jkuat.ac.ke
vc@jkuat.ac.ke
Office of the Vice Chancellor,
JKUAT, Mombasa Campus,
P. O. Box 81310-80100
Mombasa – KENYA

MR WEI RUAN
MTCC-Asia
weiruan@shmtu.edu.cn
1550, Hai Gang Avenue,
Lighthouse tower,
Shanghai Maritime University.
Post code 201306 - China

MS VIVIAN RAMBARATH-PARASRAM
MTCC-Caribbean
vivian.r-parasram@utt.edu.tt
2nd Avenue North,
Western Main Road,
Chaguaramas
Trinidad

MR RODOLFO SABONGE
MTCC-Latin America
Rsabonge@umip.ac.pa
918B,
La Boca,
Panama,
Republic of Panama

MR THIERRY NERVALE
MTCC-Pacific
MTCC-Pacific@spc.int
Suva Regional Office,
Private Mail Bag,
Suva,
Fiji

GMN Project Coordination Unit
International Maritime Organization
4 Albert Embankment,
London SE1 7SR UK
gmn@imo.org

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