COMMUNIQUE DE PRESSE

Lyon, le 4 décembre 2020

A new engineering contract for the CNR / EGIS / VIPO consortium in Vietnam for the improvement of the waterway on the Red River

On November 17, CNR and its two co-contractors Egis and VIPO signed with the Project Management Unit Waterways of the Vietnamese Ministry of Transport a contract for the construction's supervision of a major project to improve navigation on the Red River delta.

With a provisional duration of 20 months, and called "Day - Ninh Co connecting Canal" (DNC), this $ 85M project under World Bank funding consists of building a connecting channel between 2 arms of the Red River, equipped with a large-gauge lock, and a road bridge crossing the entire development.

This new international engineering contract for a total amount of USD 2.3 million is part of the "Northern Delta Transport Development Project" (NDTDP) for which CNR Engineering has assisted the Vietnamese Ministry of Transport since 2011.

A project that will promote inland waterway transport and thus limit greenhouse gas emissions

The Red River Delta, located in Northen Vietnam, constitutes an interconnected transport network currently allowing river transport between the outlying provinces of Hanoi and the port of Haiphong. After the first works of the NDTDP project carried out between 2013 and 2017, the so-called "DNC" (Day - Ninh Co connecting Canal) project is one of the most important transport projects underway in waterways development in Vietnam. It improves the existing river traffic template, connects the major port areas of Ninh Binh and Viet Tri to each other, and opens the entire delta to the river-sea transport route in a sustainable manner. It is the last link in the overall project to modernize the delta's waterways, in particular by opening up to Quan Ninh and the sea routes of the ASEAN region and China. The DNC project consists of the construction of 3 key infrastructures:

• A connecting channel of approximately 1 km long and 100m wide between 2 arms of the Red River (Day River and Ninh-Co River) near their respective estuaries,

• A large-gauge lock 170m long by 17m wide,

• A road bridge allowing the existing main road to cross the canal and the lock.

This new canal will allow ships upto 3,000 Deadweight tonnage capacity to connect the ports of Ninh Binh and Quan Ninh by river-sea route, reducing routing time by around 12 hours, and opening major port accesses to cargo ships. heavy gauge.

The development of the waterway will thus contribute to efforts to limit GHG emissions due to transport activities in Vietnam.

Fruitful cooperation

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Supporting the Vietnamese Ministry of Transport since 2011 on its waterway development projects, CNR is the leader of a consulting consortium with 2 co-contractors: Egis "Structures et Environnement" and VIPO.

The consortium led by CNR is in charge of the entire project supervision during the construction phase, which includes, in addition to the technical monitoring of the works, the coordination of health, safety and environment aspects as well as the supervision of the socio-economic aspects and objectives of the project.

- Egis is participating in technical assistance of this operation with the mobilization of two experts in structure and bridge as well as a specialist in social development. Egis will provide its expertise in the simultaneous construction of the lock and the bridge.

- The Vietnamese engineering consultant VIPO is in charge of providing a team of Nationals Experts and site engineers, specialists in environment, health/safety and socio-economy, as well as the logistic organization of the offices and compliance with Vietnamese construction standards.

Societal and environmental commitments to support the project

Beyond the "classic" mission of project management, monitoring and coordination of the works phase, this engineering contract includes an important component of Health / Safety, Environment and Socio-economic coordination applied according to the Bank's program and Vietnamese regulation.

Health, Safety & Social component:

- Monitoring of compliance with international and national standards related to the environment, health and safety by the companies in charge of the work;

- Implementation and animation in partnership with a Vietnamese NGO of an HIV and communicable diseases prevention plan for the employees of the companies involved as well as for the residents of the project.

Environmental aspect

- Verification of compliance by construction companies with the environmental management plan based on World Bank and Vietnamese standards related to the environment;

- Transmission of knowledge in Eco engineering;

- Participation in the fight against the salinization of agricultural land;

- Restoration of reed beds and wetlands in the project rights-of-way;

Socio-economic component;

- Study and monitoring of social risks linked to the influx of workers in the region;

- Advice to the government in setting up specific social operations related to the project;

- Skills transfer missions;

- Verification of compliance with the Land Acquisition and Relocation Action Plan;

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- Verification of the preservation of cultural and religious heritage in and near the project rights-of-way.

10 years of support for the Vietnamese Ministry of Transport

CNR has been present for over 10 years in Vietnam in the service of the development of river navigation and the sustainable management of water resources on the Red River.

In 2011, CNR won its largest study and construction's supervision contracts (€ 7 million) in Vietnam within a CNR - Tractebel Engineering France - VIPO consortium for the development of the waterways of the Red River Delta: template of two main corridors of the waterway network, extension and modernization of two river ports linked to interurban trade in the industrial and agricultural hub of Hanoi, and construction of a river-sea access channel in the Ninh River estuary Co

The DNC project, construction of which begins at the end of 2020, is the last link in the overall project to optimize river-sea transport in this region.

CNR engineering, expertise in the development of the waterway on the Rhône for the benefit of rivers around the world

France's leading producer of exclusively renewable energy (hydraulic, wind, photovoltaic), CNR has developed unique expertise in hydroelectric and river engineering, thanks to its experience acquired on the Rhone river for 80 years. It offers it through CNR Engineering, its integrated consulting engineering firm, in France and in 30 countries around the world.

Its dual expertise in the design and operation of structures as well as a wide range of integrated professions allow it to control the entire value chain and to understand projects in their entirety, by reconciling the various challenges and uses of water (management sediment, protection against floods, optimization of energy resources, development of river transport, irrigation, etc.). In addition, CNR has its integrated laboratory, the Center for Behavioral Analysis of Hydraulic Structures, specializing in the physical modeling of structures.

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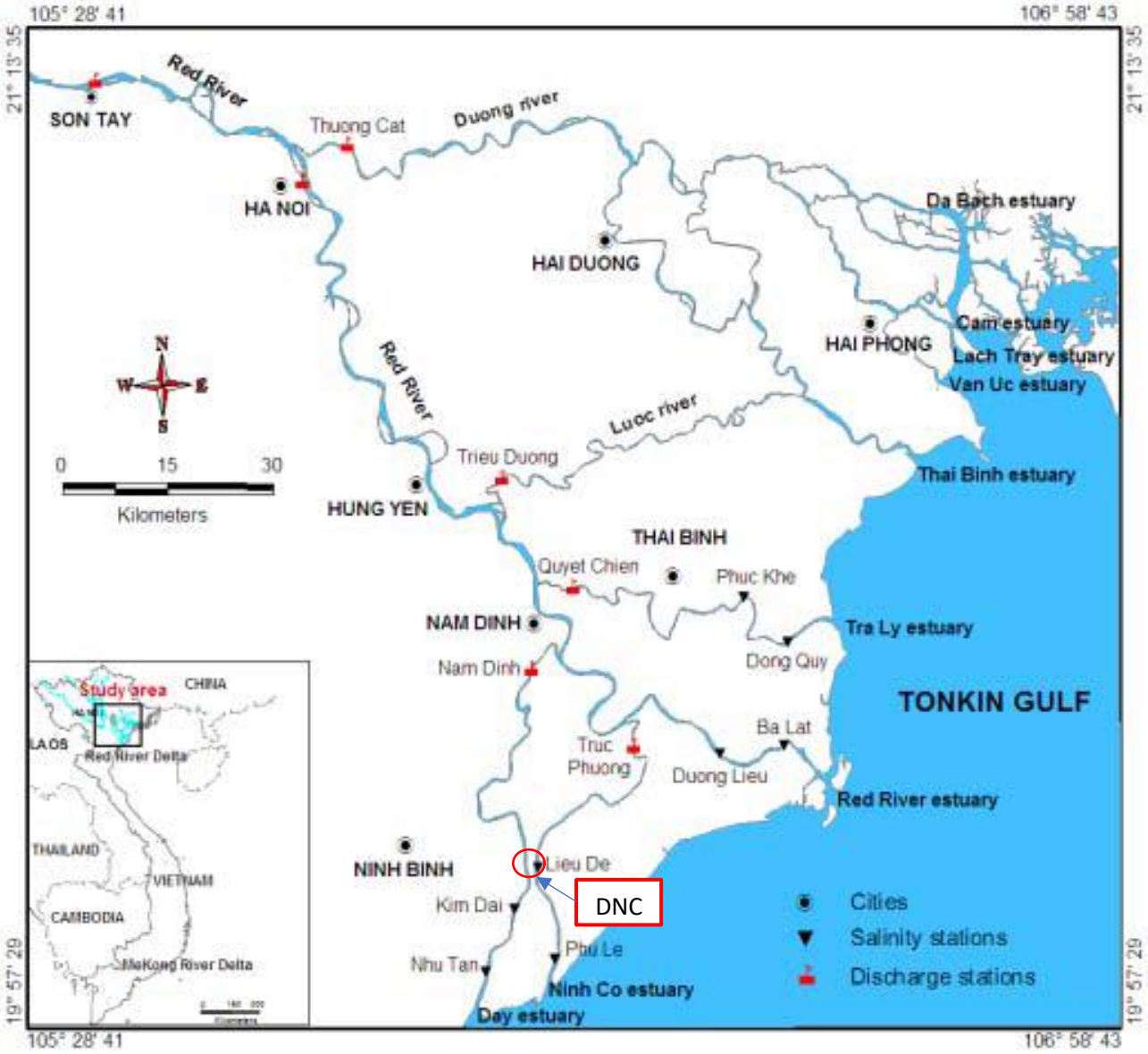

DNC project is located at the red river delta, in the north of Vietnam.

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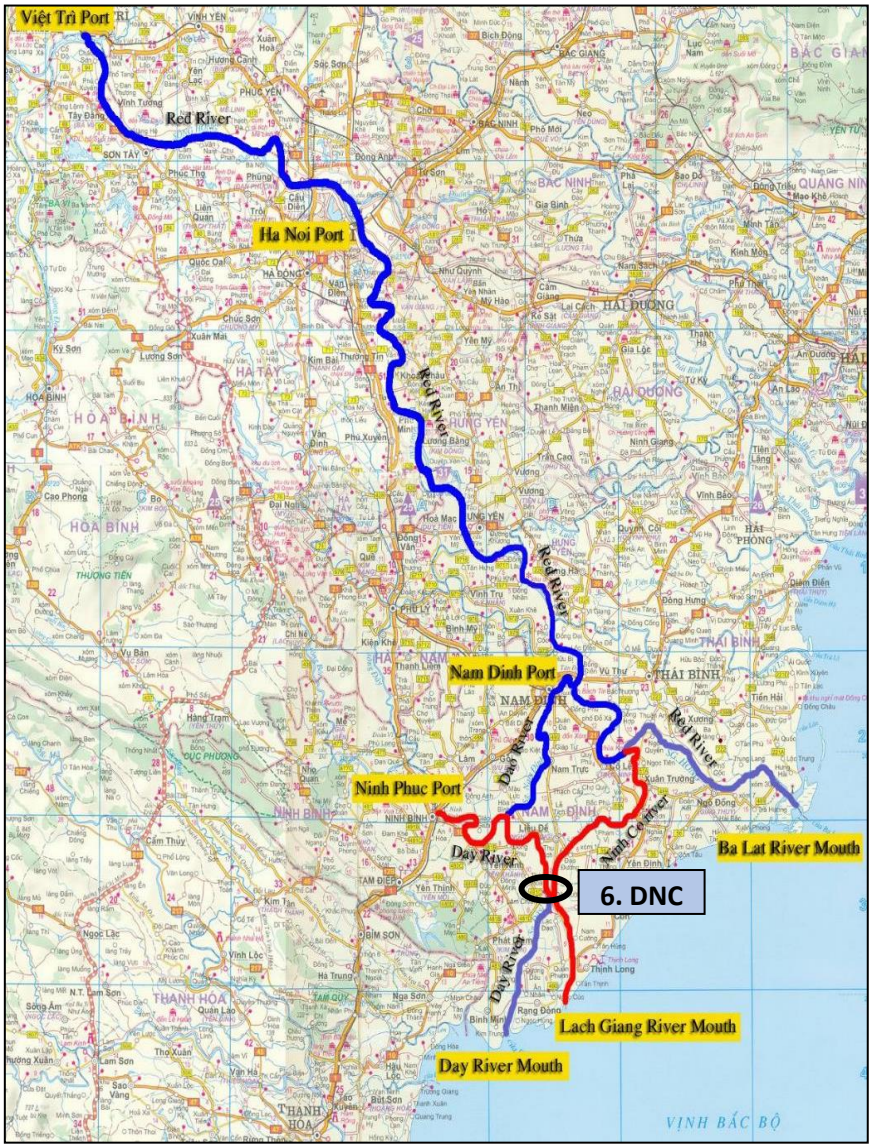

The goal of DNC project consist to link the 2 arms of red river.

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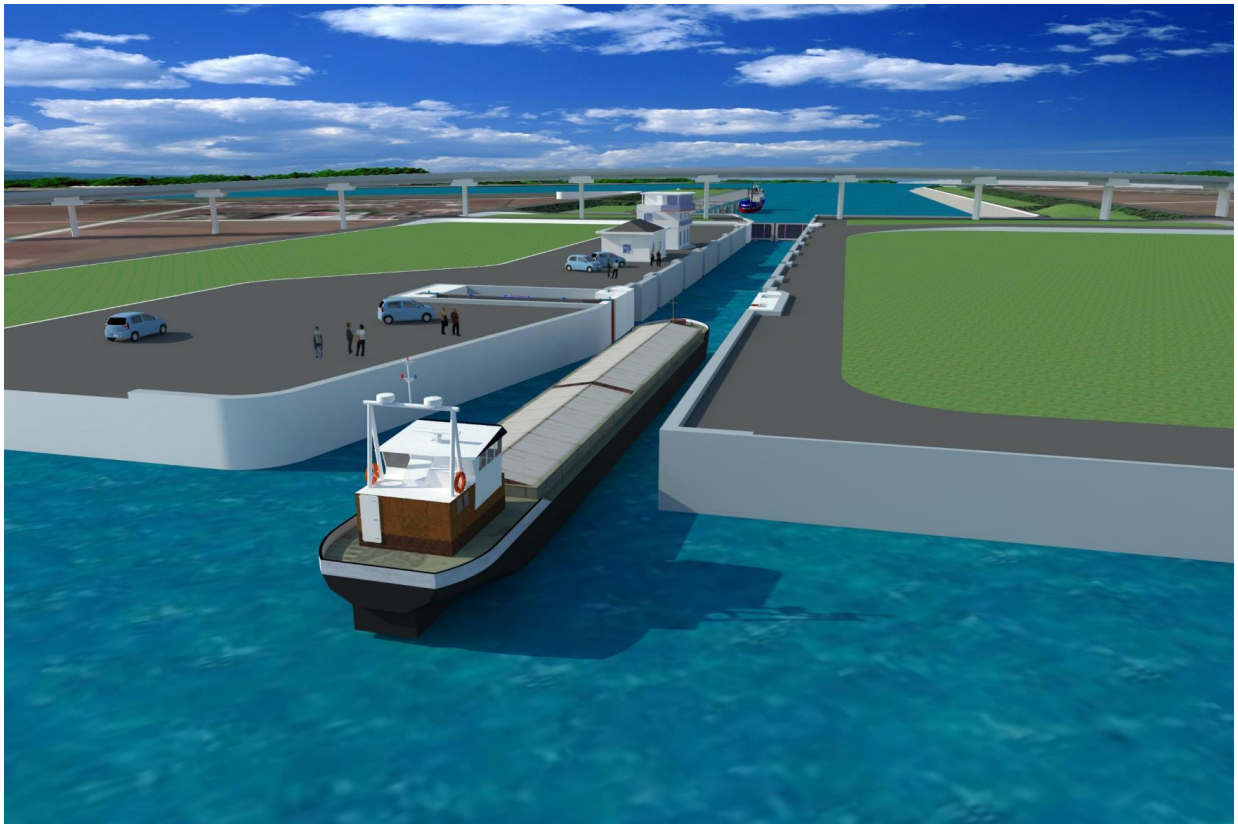
The link build, between 2 arms of red river, will measure 1 km and 100 m of width.



A sluice for large size boat (170 m long by 17 m width) will be build.

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