
Container system base station controversy

What is the LNG bunkering station deployment problem?

In this paper, we focus on the LNG bunkering station deployment problem, which identifies the locations of the stations to be built. A large-scale case study of China's container shipping network was conducted. The problem scale of this case paper exceeds those in previous academic studies.

How to reduce the cost of LNG bunkering station construction?

For the government, two measures can be adopted: (i) giving subsidies to ship operators for consuming LNG as marine fuel, and (ii) reducing the bunkering station construction costs by production optimization and efficiency improvement.

What is the cost-effectiveness of Chinese container shipping?

Regarding the cost-effectiveness, it is revealed in Table 5 that the reduced annual emission costs exceed the annualized construction costs when the total budget is no lower than USD 27,668,400, which equals 30% of the total costs to build bunkering stations at all ports in the Chinese container shipping network.

Article on LNG Bunkering Station Deployment Problem--A Case Study of a Chinese Container Shipping Network, published in Mathematics 11 on 2023-02-05 by Jingwen ...

CONCLUSION To address the joint challenge of performing container migration and base station handover, this paper proposes a coordinated migration-handover ...

LNG Bunkering Station Deployment Problem--A Case Study of a Chinese Container Shipping Network February 2023 Mathematics 11 (4):813 DOI: ...

Meanwhile, the mobility of MUs necessitates handover among base stations in order to keep the wireless connections between MUs and base stations uninterrupted. In this paper, ...

In this paper, we address the joint problem of container migration and base-station handover by proposing a coordinated migration-handover mechanism, with the objective of ...

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In summary, by deeply mining railway station freight data through authentic big data waybills and measuring the coordination between economic efficiency and convenience of ...

What does the battery energy storage system of the Montenegro communication base station look like The containerized energy storage system is composed of an energy storage converter, ...

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Offloading computationally intensive tasks from mobile users (MUs) to a virtualized environment such as containers on a nearby edge server, can significantly reduce processing ...

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