我们可以通过demo来看看智能系统的具体功能页面。

We can use the demo to see the specific functional pages of the smart system.

智能集成平台功能（规格书描述）

首页

It is our fleet management page on shore. In Navigation Overview, the position of all the ships in the fleet can be obtained. By clicking the certain ship, you can get the history route, and you can Overlay meteorological information on the sea chart.

In Fleet Parameters，you can see the basic information and realtime status of each ship in your fleet.

The CII Rating shows all the CII rating condition of your ship in recent years and you can see the statistics of your fuel consumption condition here.

We also have data monitoring to let you know the data quality of each ship. And here is the statistical alarm information of your fleet.

双击船舶名称进入单船首页

By double licking the ship name, we can move to front page of single ship,

The system is based on a ship shore integrated architecture, so single ship page can be seen both onboard and on shore side.

In the single ship page, there is also a navigation overview page where you can view the ship position, route, and related voyage information of the ship, as well as meteorological information.

首页-左下角

Key parameters are displayed in terms of ground speed, water speed, engine speed, slip rate and light turning margin to reflect the ship's performance.

首页-右上角-船测风速风向+油耗统计+报警统计

On the right side, we can see the meteorological information measured by the ship's sensor, the statistical and evaluation information of the ship's fuel consumption. The Alarm analysis section shows the statistic analysis and recovery condition of alarm issues.

首页-优化卡片集

And here, we provide three energy efficiency optimization suggestions, including speed optimization, trim optimization, and Fouling assessment to improve the ship energy efficiency.

首页-航速优化卡片

The speed optimization module provides Main engine speed recommendations for energy efficiency optimization, based on both the ship performance data and weather forecast information.

首页-纵倾优化卡片

The trim Optimization module offers trim recommendations considering the loading condition of ship voyage on purpose of energy-saving.

首页-污底评估卡片

Fouling assessment module calculates and displays the ship's fouling index based on the rapid performance analysis and evaluation of the ship, it Evaluates the ship's fouling state and put forward suggestions for cleaning up

智能能效首页（看看是不是要加一句过渡句）

In the energy efficiency module, you can see the statistics of fuel consumption, including daily fuel consumption, hourly fuel consumption, voyage fuel consumption, fuel consumption rate, and other statistical information calculated based on data sensed by the mass flow meters onboard. Besides, the volume of fuel in tanks is shown in the page.

能效-排放监测

The emission monitoring module provides CII statistic information generated with the fuel consumption data in terms of real-time CII and its trend in the coming years.

在排放监测页面，我们可以看到各种排放的统计数据以及实时的CII统计情况，同时也能看到未来几年的CII的趋势，我们可以看到本船在大约2029年，CII评级将降到D

能效-报表（这段可考虑删除）

The report module provides daily report, MRV report, DCS report, as well as comprehensive evaluation report on energy consumption and efficiency indicators. The reports are generated automatically based on the sensed data.

报表功能提供每日晨报、MRV报告，DCS报告以及能耗及能效指标的综合评估报告。

智能机舱

In machinery health management module, main operational data of main engine, auxiliary engine, boiler and shaft are displayed. Health conditions of the equipment are assessed. Health risks are highlighted in orange or red. The health assessment of equipment components can be discovered in sub pages.

碳排放-船队首页

Now lets move to the carbon emission module. Carbon emission is a shore-based module.

In carbon emission module, the carbon tax and CII rating calculation of fleet are calculated based on the report data and displayed on the left side and right side of the page respectively. Also we provide carbon emission management function for singles ships. Besides, some tools for carbon emission management and improvement are provided both for fleet and single ships.