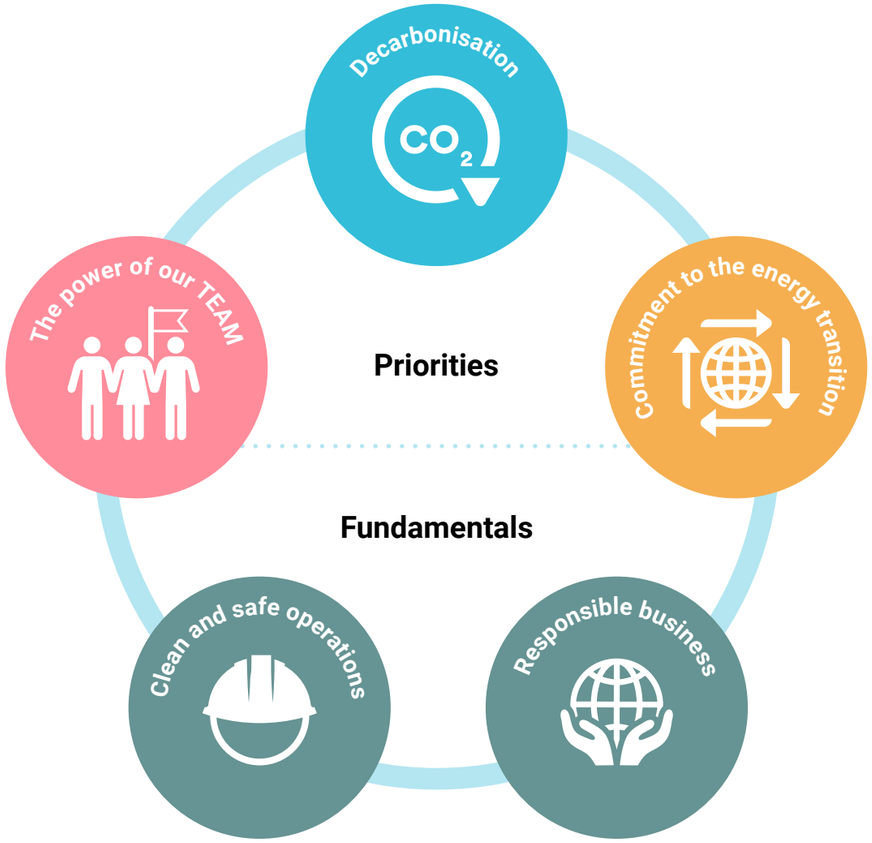
ALP Maritime Services

2022 Sustainability highlights

Altera sustainability framework



What we do

ALP Maritime Services (ALP) owns and operates a fleet of long-distance towage vessels. Our vessels are used to provide ocean towage, station-keeping, installation of large floating objects, such as off-shore production and storage units, including FPSO/FLNGs, and wind installations, as well as salvage and decommissioning operations.

Our vessels have a bollard pull of 206 to 312 tonnes and fuel capacity for at least 35 to 40 days of demanding operations. We focus on intercontinental towage requiring trans-ocean movements. Our vessels operate on voyage-charters and spot contracts. In 2022, we owned and operated ten towage vessels, two of which were sold within the year.

About this report
This sustainability highlights report is intended as a supplement to the Altera Infrastructure group 2022 Sustainability Report. It presents selected sustainability-related highlights from the activities of ALP Maritime Services, as part of the Altera Infrastructure L.P. group of companies. For full details of Altera's sustainability framework, reporting boundaries, performance, and complete 2022 nvironmental, social, and governance (ESG) disclosures, refer to the 2022 Altera group Sustainability Report at alterainfra.com.

Contact
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Health and safety

LTIs

0
total
LTI frequency[1]

TRIs

0
total
TRI frequency[2]

[1] LTI rate is calculated as the number of LTIs per 1,000,000 man-hours on a 24-hour workday basis.

[2] TRI rate is calculated as the number of TRIs per 1,000,000 man-hours on a 24-hour workday basis.

Environmental impact

Oil spills

0
total

Chemical spills

0
total

Waste

893
cubic metres (m^3)

Power of our TEAM

279
total workforce[1]

8%
onshore

92%
aboard

[1] Workforce includes employees and non-emplpoyee workers and is calculated on a headcount basis as of the end of the reporting period; does not include shared Altera group corporate resources.

Embedding sustainability

We are focused on reducing the environmental and climate impact of our activities. A dedicated Sustainability Team consisting of members from the technical, operational, and commercial functions helps to embed sustainability into all our decision-making. The establishment of one cross-departmental sustainability team with a common goal helps embed environmental considerations and targets into our daily operations.

This has already resulted in several initiatives. For example, by carefully mapping and tracking emissions and power-usage data from our fleet, we are identifying opportunities to reduce fuel consumption and optimise vessel operation, both of which help reduce the emissions intensity of our activities. We set and follow precise targets for cutting fuel used by engines and generators. We are also investigating using heat-exchange technology to harness residual heat from our engines to create electricity, which will reduce the load on our engines resulting in lower fuel consumption.

Optimising operations to manage our climate impact

Nearly all of our Scope 1 emissions result from the burning of fuel to power onboard engines. Therefore, the climate impact of our fleet is directly tied to the type of activity performed by our vessels and the amount of power and fuel they require.

Our core activity is long-distance ocean towage, whereby our vessels serve as external engines for objects that have no or inefficient means of self-propulsion. In addition, our fleet is involved in salvage, offshore installation support, and decommissioning operations. Individual projects vary in power intensity and may entail periods of high intensity interspersed with periods of low intensity or standby. As the distribution and nature of our activities may vary significantly from year to year, we also expect the consumption and power requirements of the fleet to vary annually.

Our vessels rely on conventional maritime fuel – marine gasoil – to power onboard turbines. At present, there is no viable low-carbon fuel alternative that can produce the amount of power necessary for our core towage activities and that is readily available around the world, wherever our vessels may trade. In addition, technology to capture emitted carbon from our vessels remains prohibitively expensive.

Worldwide operations

For this reason, we rely on operational tools to optimise our vessels' performance, thereby reducing conventional fuel consumption and emissions. Actions to reduce fuel consumption and lower emissions are driven from the perspective of different business segments – operations, fleet, and sales. We carefully plan sailing routes and perform regular engine and hull maintenance. We also adjust our engines and propulsion settings to the size and weight of the object being towed, the transport distance, and other operational requirements. This ensures that we deploy our vessels in the most efficient manner for each project. We also work with our clients to optimise operations so as to reduce emissions during projects.

Our decarbonisation toolbox

Understanding our carbon intensity

By better understanding the climate impact of our vessels relative to the type of operation in which they are engaged, we can identify new solutions to reduce emissions. In 2022, we started a two-phase program to track the emissions intensity of our operations.

In Phase 1, we adopted a new general carbon intensity metric tracking carbon emissions generated by our onboard engines per installed power capacity and hours of operation (denoted as g CO_2/kWh). The metric is presently in use as an offshore service vessel (OSV) industry-wide metric, enabling our stakeholders to compare ALP's climate footprint with that of other OSV operators. It does not, however, account for the variability in the type of operations we conduct. Therefore, we have not set an emissions intensity target for this metric and instead commit to tracking present performance against past performance in our core market going forward. In 2022, our fleet-average carbon intensity was 89.68 g CO_2/ kWh.

In Phase 2, we are investigating an additional emissions intensity metric tailored to our niche operations. We are analysing daily data for all vessel operations since 2020 to better understand the efficiency gains of our vessels under specific conditions. This work is planned for 2023.

In the meantime, ALP remains fully committed to support industry initiatives by actively participating in joint industry partnerships and industry-driven case-studies on new technologies within the energy transition.

2022 fleet average carbon intensity

89.68

g CO_2/kWh

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Design, layout & illustrations:
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