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NetZero Transition - NeZT

A solution to Monitor, Manage and Control NetZero goals for supply chain organizations

Business Need:

Industries contribute significantly to carbon emissions. To be most effective, organizations are trying to control not just direct emissions but also influence and reduce indirect emissions which are significantly more.

Scope1 + Scope2 + Scope3

Direct Emissions

2,800 Metric Tonnes

Indirect Emissions

11 X of Scope 1 & 2

Features

Case Management



The solution uses Case Management feature to manage and monitor trips

IoT Integration



IoT to track trips and fleet movements.

Artificial Intelligence



AI to compute optimum routes. Intelligent vehicle and vendor selections to reduce emissions

Portals



Appian's Portal capability enables the solution to be accessed from existing webpages

Unified Data



Unified Data across existing applications, reports, dashboards provide real time information

Reports & Dashboards



Interactive, Content and context-based reports help organisations get incredibly detailed information web pages.

Vendors can:

- NeZT uses Appian's Portal integration features to facilitate vendor login, manage trips and tasks.
- A vendor can view all customers they work with, history of transactions, review their performance against goals, collaborate with customers to help support trip logistics, review, and respond to assigned tasks on deviations.
- Agencies can also use NeZT. They can use it to view all customer information, review the customers planned Vs net zero targets and the history of all the trips done per customer

Customer can:

- NeZT allows customers to set emission targets, track each trip for its emissions and have a complete view of the actual emissions against the goals.
- A customer can configure the company details, the entities across geographies and set up Net Zero goals. They can also onboard vendors who support the organisation with the supply chain and logistics and agree on the overall emission targets for each vendor. They can also configure inventory and fleets they intend to use as a part of this initiative.
- Create trips and segments in each trip, collaborate where necessary with vendors on inventory to be transported and fleets to be used.
- With IoT GPS integrations, view status, monitor planned Vs actual emissions in real time, raise tasks internally or with vendors on any deviations around emissions.
- 360-degree summary view of the organisation, entities and their emission status, review performance against net zero targets, view reports by trips, delays, vendors, exceptions, and any outstanding tasks.

Future Solution Roadmap

Process Mining

Integration with Appian Process Mining to discover carbon-inefficient business processes

Intelligent Vendor Selection & Route Planning

Appian Artificial Intelligence to recommend vendors based on emissions and route optimization

Incentivization

Incentivize vendors and suppliers to have a better control over Scope 3 emissions

Reports & Dashboards

- NeZT reports are interactive, real time and drill down to various levels of granularity.
- Content and context-based reports help organisations get incredibly detailed information.

Business Benefits:

- A one-stop solution that fits into the existing system to monitor, manage & control Scope 1,2,3 emissions.
- Integration with IOT and GPS to suggest the best routes for cargo transfers to minimize carbon emissions
- Increased Operational Efficiency, enabling monitoring and reducing the cost to manage, optimise and report

