

## Manitou Group is ready to provide innovative solutions for Zero Emission Construction sites (ZEC)

To illustrate the group's global thinking in the field of low/zero emission solutions, and highlights its capacity for innovation to meet material handling needs using alternative energies, Manitou Group has launched the Oxygen label.

This label is built around three levels:

- **Oxygen:** low/zero emission solutions ready to be released on the market.
- **Oxygen Lab:** low/zero emission prototypes and solutions in the process of being tested/evaluated at customer sites.
- **Oxygen Concept:** range of concept trucks and future trends towards which the group will direct its low/zero emission solutions.

This strengthened the group's committed CSR policy (REDUCE Program) and offers users ever more sustainable solutions, while maintaining a level of performance and cost-efficiency that are in line with customers' expectations. The group also provides an offering that conforms with new fossil fuel standards and regulations, particularly in Europe.

Constructions market companies (real estate developers, rental, builders, contractors) are facing a growing demand for flexible and low emission solutions on urban work sites. In this context, it has become essential to focus on the requirements of zero emissions and low noise levels. With the Oxygen label, Manitou group wants to provide a concrete response to these needs. The approach obviously includes electric machines, but the aim is to provide customer centric solutions tailored to each application. These solutions must be cost-effective for the user, and the group is working on decreasing their environmental impact while at the same time reducing their TCO.

That's why Manitou Group has already launched a **full electric access working platform ATJ 200 e**, and exhibits here in Oslo a concept truck of a **full electric telehandler MT 625 e**.

Manitou group has established a list of mandatory eligibility criteria for the Oxygen label:

- **Use of an alternative energy to diesel, which allows the machine to run either in permanent or temporary zero emission mode** (CO<sub>2</sub>, particulates, decibels)
- **Reduction of environmental impact** (emissions: CO<sub>2</sub>, particulates, decibels)
- **Reduction in energy consumption** (based on the Reduce protocole validated by UTAC)
- **Reduction of TCO** (a common criterion for all Manitou solutions)

***To discover concrete & innovative Oxygen by Manitou solutions for Zero Emission Construction site, you're kindly invited on Manitou booth located on [Youngstorget place](#) from May 22nd to May 24th 2019.***

***Please ask your questions to Arnaud Sochas, Innovation Manager for Manitou Group. ([a.sochas@manitou-group.com](mailto:a.sochas@manitou-group.com)) / tel. +33 6 43 59 51 48).***

About REDUCE Program ([reduce-program.com](http://reduce-program.com))

REDUCE is a global program which aims to improve the quality of working life for users of machines (Reduce Risks), to increase productivity (Reduce TCO) and provide better protection for the environment (Reduce Fuel).

About Manitou Group

Manitou Group, a world leader in rough-terrain handling, invents, produces, distributes, and services equipment for construction, agriculture, and industry.

The group's product lines include fixed, rotating, and heavy tonnage rough-terrain telehandlers, rough-terrain, semi-industrial, and industrial masted forklifts trucks, skid-steer loaders on wheels and tracks, articulated loaders, backhoe loaders, aerial work platforms, truck-mounted forklifts, warehousing equipment, and attachments.

Through its iconic brands - Manitou, Gehl and Mustang by Manitou - and its network of 1,500 dealers worldwide, the Group offers the best solutions by creating optimum value for its customers.

Headquartered in France, the Group recorded revenue of 1.9 billion euros across 140 countries in 2018, and it employs 4,400 people, all committed to satisfying customers.