

# Sustainability Report 2022

*“Meeting the needs of today without compromising  
the ability of future generations to meet their needs.”*



# Table of Contents

<b>Leadership</b>	<b>2</b>
Product and services	
Markets served	
Values, principles and standards	
<hr/>	
<b>Business</b>	<b>3</b>
Growth	
Local activity	
Leading edge technologies	
<hr/>	
<b>Environment</b>	<b>6</b>
Climate resilience	
Waste management solutions	
Air pollution controls	
<hr/>	
<b>Community</b>	<b>9</b>
Health and safety	
Training	
New partners	
<hr/>	
<b>Measuring our progress</b>	<b>10</b>

*Sustainability indicators are drawn from the Global Reporting Initiative (GRI) to communicate our priorities.*

# Leadership

The Covid 19 pandemic of 2021 and 2022 required careful attention to health and safety programming. Our COR Safety Audit was completed by Energy Safety Canada assessed our programs at 99% effectiveness while our corporate safety performance exceeded one million hours worked without a lost time injury.

To meet the challenges of our changing business conditions in the sectors we serve, we proactively adopt technology advancements to provide safer and more efficient operations and have completed our transitioned to digital business systems.

Over the last two years, environmental performance improvement remains the focus of our research and development initiatives. We have increased the operating efficiencies of equipment rentals, expanded our certification of manufactured products and maintenance services to include power services under the ISO 9001 quality management systems.

---

## 2021: 1 million hours worked without a lost time incident

---

[ketek.ca](http://ketek.ca)

*Results Driven.*



*Ketek's President, Brad Abel, at the Edmonton Operations Centre discussing safety with maintenance staff.*

# Business Growth



*New maintenance area in Fort St. John*



*“Building our future in Western Canada, Ketek Group opened its new Fort St. John location, providing increased capacity for equipment rentals and maintenance services. The new five-acre facility with four work bays allows us to serve the community, located just off of the Alaska Highway.”*

Fort St. John offers Ketek equipment rental backed by project and technology resources.

## Local activity



All design-build-operate projects are completed with compliance to increasing industry standards, with new equipment procurement and maintained to performance standards with business partners:

- Saluma Nunavut, in partnership to expand full Ketek services across Nunavut;
- Ketek Infinity, a joint venture partnership with Infinity Metis Corporation for work in the Regional Municipality of Wood Buffalo and surrounding area, with opportunities to grow projects under a joint service agreement;
- Participation with Alternative Root (AltRoot) for its modern compost operation under a service agreement with the Westlock Regional Waste Management Commission;
- StorTek storage facility operation at Edmonton's 184th street location; and
- Increased relationship with Xylem Canada for the maintenance of equipment to OEM standards under our ISO9001 Quality Management Certification.
- Our water solutions include water transfers, dewatering, groundwater control, HDPE fusing, river and sewage bypass, well testing and monitoring, wastewater and groundwater treatment, emergency pumping and flood control.



## “Leading edge technologies” through research and development

- All Ketek's products and services are continually improved through Ketek's research and development programs. Recent programs have included:
- Patenting of the OZTEK Advanced Oxidation Process (AOP) for water treatment applications from H<sub>2</sub>S contaminated wellwater to mining and industrial wastewaters;
- Incineration design upgrading to accommodate municipal solid waste with air pollution control devices (APCD); and
- Research of equipment modifications to enable SmartTEK equipment be applied to equipment for operational efficiency benefits to be captured from remote operation and monitoring of in-field equipment.

We strengthened delivery of services through our network of branches, supported by Ketek Logistics' transportation service for the rapid deployment of equipment and materials.



*Ketek Logistics on the move*

# Environment

## Climate resilience



Ketek stands ready to support climate resilience in western Canada with rapid response deployment of equipment from all branched in the event of fire, flood and other events that may threaten communities.

On projects, we maintain incident-free performance by applying environmental risk mitigation consistent with health and safety programs.



Ketek targets GHG reductions through operational equipment efficiencies to achieve low emission equipment (Tier 4 generators, LED lighting and SmartTEK remote control of equipment). The Tier 4 generators have the potential to virtually eliminate particulate emissions and nitrogen oxide emissions.

## Waste management solutions

### Solid Waste Management

- AltRoot processes municipal solid waste to CCME Grade A Compost under a service agreement with the Westlock Regional Waste Management Commission. It captures organic wastes and uses the compost in regenerative farming under a study with the University of Alberta and Gateway Research Organization.
- Advanced equipment arrangement established with Brome Compost Inc. for specialized composters.



*Emergency response*

Claytek on board emergency response barge for recovery of bunkar oil from the 1968 shipwreck in Nootka Sound, on the west coast of Vancouver Island.

### Water Treatment

Advanced treatments of contaminated waters with Claytek's CETCO engineered flocculants and the OZTEK P Advanced Oxidation Process. This combination enables remediation of contaminated waters through:

- Pre-treatment with clay flocculant;
- Post-treatment with advanced oxidation; and
- Tertiary filtration when appropriate for discharge to sensitive receiving waters.



## Air pollution controls

Stack testing in progress for air quality control with incineration of municipal solid waste. Testing the Air Pollution Control Device with lime treatment and catalytic filter membranes. We offer both wet scrubbers and dry baghouse technologies.



# Community



*Anti-bullying promotion*

## Health and safety

Amid the COVID-19 pandemic, 2021 and 2022 required careful attention to health and safety. Our COR Safety Audit in 2021, completed by Energy Safety Canada, assessed our programs at 99% effectiveness while our corporate safety performance exceeded one million labour hours without a lost-time injury.



## Training

Skills training is always a priority and we expanded into the delivery of training courses to the public under Energy Safety Canada (H<sub>2</sub>S) and APex Training Solutions (First Aid). In addition, Ketek staff developed an institutional-level Solid Waste Management Audit capability based on CCME standards and recognized by ECO Canada.



**Canadian  
Red Cross**

## New Partners

Design-build projects were completed with compliance to increasing industry standards by our Edmonton centres with new equipment procurement, maintenance service performance standards and engagement with business partners Infinity Métis Corporation, Claytek Inc., Stortek Self-Storage, and Alternative Root composting.



Skill training is always a priority and we expanded into the delivery of training courses to the public under Energy Safety Canada (H<sub>2</sub>S) and Apex Training Solutions (First Aid). In addition, Ketek staff developed an institutional level Solid Waste Management Audit based on Canadian Council for Ministers of the Environment (CCME) accredited by ECO Canada.

# Measuring Our Progress

## ECONOMIC

9 branches  
300 employees

## ENVIRONMENTAL

Tier 4 generators  
LED light towers

## COMMUNITY

Local business associations  
10% female employees.

## GHG INITIATIVES

- 3 Innovation initiatives (Cyclonator 75 M with APCD / OZTEK AOP / SmartTEK)
- 3 New operating partners (Ketek Infinity / Saluma Nunavut / Alternative Root)
- 3 Equipment Efficiency improvement (Tier 4 generator sets / LED lighting / SmartTEK remote operations)

## GHG EMISSIONS

GHG direct emissions for 2021/22 show a 10 % per year improvement. Ketek measurement is through vehicle and transportation fleet fuel consumption and assessed by conversion rate to LED lighting light towers and Tier 4 generators.



SmartTEK Screen

Results Driven.



10457 184th St. NW  
Edmonton, AB, T5S 1G1  
1 780 447 5050  
Info@ketek.ca  
ketek.ca



Results Driven.

**KETEK**  
GROUP