

# KIT TOKEN WHITEPAPER

## Smart Orchard Technologies & Community-Based Financing

### International Investor Edition

#### Executive Summary

Kaanay Makina designs and manufactures compact **ATV-type** tractor platforms and modular agricultural equipment for orchard and rural applications, focusing on high mobility, driving comfort, and multi-purpose functionality.

The Bogay and Bugray tractor platforms integrate off-road capability, suspension-based driving comfort, and full agricultural operability, allowing a single vehicle to be used efficiently both for transportation and for field operations.

Through the **KIT** Token initiative, the company seeks to expand its manufacturing capacity and accelerate strategic research and development efforts, including electric tractor platforms and AI-driven robotic harvesting systems, supporting a gradual transition toward smart orchard automation.

**KIT** Token is structured as a transparent, sustainable, and community-oriented financing mechanism, intended to support long-term industrial growth rather than short-term speculative activity.

#### 1. Introduction

Global agriculture faces increasing pressure due to rising labor costs, workforce shortages, and inefficiencies caused by underutilized machinery. Orchard farming, in particular, remains highly dependent on seasonal manual labor, especially during harvesting periods.

Kaanay Makina addresses these challenges by designing and manufacturing multi-purpose, high-mobility tractor platforms and modular agricultural equipment that increase utilization rates and reduce total ownership costs, while preparing the ground for future automation technologies.

#### 2. Company Overview

**Industry;**

Tractor and Agricultural Machinery Manufacturing

**Core Focus;**

Cost-efficient, multi-purpose tractors and agricultural equipment



Figur1  
Factory 2024

Kaanay Makina develops mechanical solutions specifically aligned with real-life rural usage patterns. In many agricultural regions, tractors are actively used for field operations only during limited seasonal periods, while remaining idle or primarily serving transportation

needs for the rest of the year. This structural inefficiency increases ownership costs and reduces overall asset utilization.

Kaanay Makina addresses this challenge by integrating transportation capability with agricultural productivity, enabling a single vehicle to function efficiently across multiple use cases and throughout the entire year.

Kaanay Makina İmalat İthalat İhracat Sanayi ve Ticaret Limited Şirketi is a Turkey-based agricultural machinery manufacturer specializing in compact ATV tractors and compatible equipment for orchard and rural farming. The company's core philosophy is to design machines that simultaneously serve as effective working tools and reliable transportation solutions within rural environments.

### **3. ATV-Type Tractor Platform Architecture**

#### ***Core Differentiation;***

Bogay and Bugray tractors are engineered as ATV-type tractor platforms, clearly distinguishing them from conventional compact tractors by combining off-road mobility with agricultural functionality.

#### ***Key characteristics include;***

- Integrated suspension system providing high driving comfort
- High mobility on uneven terrain, orchards, and rural roads
- Maximum speed of up to 42 km/h, enabling fast and comfortable transportation
- Dual-purpose usage supporting agricultural operations as well as daily rural transportation and logistics

This platform architecture enables farmers to rely on a single vehicle for both productive field work and comfortable, efficient mobility throughout the year.

### **4. Products and Tractor Platforms**

#### ***Bogay Tractor – 12 HP***

The Bogay Tractor is a compact 12 HP ATV-type tractor designed primarily for orchard and garden agriculture.

#### ***Key features include;***

- T3 category compact tractor
- High maneuverability in narrow orchard rows
- Suspension-based driving comfort for long operating hours
- Compatibility with standard three-point hitch implements
- Low operating and maintenance costs



*Figur2*  
*BOGAY 12HP 2025*

Bogay serves as the entry-level tractor platform within the Kaanay Makina product ecosystem.

### ***Bugray Tractor – 24 HP***

The Bugray Tractor is a higher-power 24 HP ATV-type tractor designed for heavier agricultural tasks and multi-purpose rural operations.

#### ***Key features include:***

- Reinforced chassis structure
- Operator protection system (ROPS)
- Shared ATV comfort and suspension architecture with Boğay
- Increased payload capacity and equipment compatibility



*Figur3  
BUGRAY 24HP 2025*

Boğay and Buğray share a common mechanical and design architecture, forming a scalable and expandable tractor platform family.

#### ***Agricultural Equipment Ecosystem;***

Kaanay Makina manufactures and validates a modular portfolio of agricultural equipment compatible with standard three-point hitch systems.

#### ***Core equipment includes;***

- Rotovator (Rotary Tiller)***; Suitable for T2 and T3 category tractors with 12–40 HP
- Trailer***; 750 kg tipping trailer compatible with T2 and T3 category tractors
- Plow***; Suitable for T2 and T3 category tractors
- Cultivator***; Suitable for T2 and T3 category tractors
- Sprayer Unit***; Suitable for T2 and T3 category tractors
- Grass Mower***; Suitable for T2 and T3 category tractors
- Hydraulic Lift Basket***; Suitable for T2 and T3 category tractors
- 400-liter Grain Silo***; Suitable for T2 and T3 category tractors



*Figur4  
Rotovator  
Ankara/Turkiye  
Agriculture Fair*

All equipment is detachable, interchangeable, and engineered for year-round operation, maximizing tractor utilization across multiple agricultural and transportation use cases.

## **6. R&D Vision, Electric Tractor and AI-Based Robotic Harvesting Systems**

### ***Electric Tractor Development – Tay Model (20 KW);***

Kaanay Makina is developing the **Tay Model**, a fully electric compact tractor with a nominal power output of 20 KW.

### ***Objectives include;***

- Elimination of fossil fuel dependency
- Reduced mechanical complexity
- Zero tailpipe emissions and low noise operation
- Full compatibility with AI-based robotic agricultural systems



*Figur 5*  
20KW electric tractor TAY

The Tay Model represents the next evolutionary step of the ATV-type tractor philosophy, forming a dedicated platform for electrification and autonomous agricultural applications.

### ***AI-Based Robotic Harvesting Systems;***

#### ***Concept Overview;***

The company is developing an AI-based robotic harvesting system designed as a rear-mounted, detachable implement compatible with standard three-point hitch systems.

#### ***The robotic system;***

- Is mounted behind the Tay electric tractor
- Can be attached or removed similarly to conventional agricultural equipment
- Operates as an independent auxiliary harvesting unit

A core objective of this system is to **eliminate reliance on seasonal manual labor**, which remains one of the most critical cost and availability constraints in orchard farming.

#### ***Technical Design Principles;***

- Long-reach robotic arms capable of harvesting fruit up to approximately 4 meters
- Machine vision systems for fruit detection and ripeness analysis
- Soft-grip end effectors enabling damage-free harvesting
- Integrated conveyor belt system transferring harvested fruit directly into crates mounted on a rear trailer

#### ***Expected Impact;***

- Elimination of dependency on seasonal agricultural labor
- Faster and more consistent harvesting cycles
- Lower operational and labor-related costs
- Improved harvesting precision and overall fruit quality

Target crops include apples, cherries, sour cherries, pears, and similar orchard fruits.

## 8. Integrated Smart Orchard Ecosystem

*By combining;*

ATV-type mechanical tractors (Boğay, Buğray),

Electric tractor technology (Tay),

AI-based robotic harvesting systems,

Modular agricultural equipment.

Kaanay Makina enables farmers to transition incrementally toward smart orchard automation without replacing existing machinery.



*Figur6  
autonomous  
fruit harvesting system*

## 9. Business Model

*The business model is based on;*

- Modular product architecture
- Cross-selling of tractors, agricultural equipment, and trailers
- Reduced reliance on specialized and fragmented service networks
- Continuous product improvement driven by direct field feedback

## 10. KIT Token Overview

*Token Information*

- Token Name:** KIT
- Blockchain:** BNB Smart Chain
- Total Supply:** 300,000,000 **KIT**
- Decimals:** 18
- Supply Type:** Fixed

**Website:** [kaanay.com.tr/kit](https://kaanay.com.tr/kit)

*Purpose of the KIT Token*

*Funds raised through the KIT Token are allocated to;*

- Manufacturing capacity expansion
- Inventory scaling and production readiness

- Electric tractor research and development
- AI-based robotic harvesting system development
- Working capital optimization and supply chain strengthening

## **11. Profit-Sharing Target Model**

- Profit-sharing is not guaranteed
- Distributions are executed manually by company management
- Based on overall financial performance and available cash flow
- May be distributed in stablecoins or native blockchain-based assets

## **12. Risk Factors**

### *Key risk factors include:*

- Market demand fluctuations
- Raw material price volatility
- Regulatory and compliance changes
- Research and development execution risks
- Supply chain disruptions and component availability

## **13. Legal Disclaimer**

The KIT Token does not represent equity, shares, or ownership rights in Kaanay Makina. This document is provided for informational purposes only and does not constitute financial advice, investment solicitation, or guaranteed returns.

## **14. Conclusion**

By combining ATV-type, high-mobility tractor platforms with modular agricultural equipment, electric mobility solutions, and artificial intelligence technologies, Kaanay Makina positions itself as a next-generation orchard technology provider.

The KIT Token supports this transition through a real-economy-focused, community-oriented financing model aligned with long-term industrial growth.