

# Whitepaper v1.7 — JERT Utility Token

## 1. Executive Summary

JERT (Jertole) is a utility token powering the Cryogas Green Cold Energy Network, enabling payments, staking, and operational processes across cold-energy terminals, logistics zones, and industrial services.

## 2. Utility Token Ecosystem Map

- LNG cold-energy terminals
- Cold storage services
- Ice production
- Frozen cargo reprocessing & repacking
- B2B logistics operations via Jertole LLC
- Container DEF service area
- Quality control laboratory
- LCNG fuel station services
- Autonomous power generation (up to 50 MW capacity)
- Data center hosting
- Marketplace for frozen goods (B2B)

## 3. Token Model

Total supply: 10,000,000,000 JERT

Distribution: 5 phases × 2B

Staking: 16% APY, 36-month lock

Internal price reference: 1 KZT

## 4. Infrastructure

Five distributed VPS nodes

4 vCPU / 8GB RAM / 150GB SSD

Ubuntu 22.04 LTS

Static IPs and geographical separation

## 5. API Layer

RESTful API for balance, staking, governance, and service payments on terminals.

OpenAPI/Swagger spec included in technical package v1.1.

## 6. Governance

Staking-based governance

On-chain voting for upgrades and configurations

## 7. Business & Service Model

JERT-based payment system for:

- Cold storage
- Ice production
- Reprocessing & repacking of thawed/frozen cargo
- Container DEF services
- Laboratory quality checks
- Fueling and LCNG operations
- Market listing fees
- Data center hosting services
- Logistics operations of Jertole LLC

## 8. Compliance

Designed strictly as a utility token

Aligned with Kazakhstan Digital Asset Law & AIFC principles

## **9. Roadmap**

2025 — Launch Terminal #1 Aktobe

2026 — Border logistics integration

2027–2030 — Expansion of data center, energy modules, and Jertole marketplace