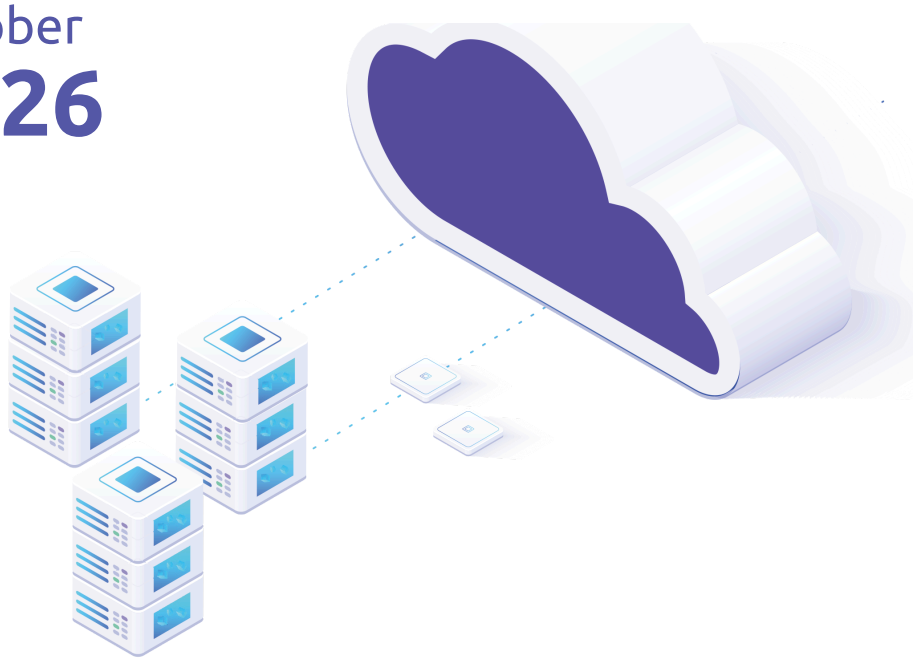
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portvMind Cloud

WHITE PAPER

Future-Ready Cloud Infrastructure, Built in Türkiye

October
2026



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INDEPENDENT RECOGNITION

IDC MarketScape 2025 — Türkiye Public Cloud IaaS, Major Player

Bilişim 500 — Cloud category leader six times

ISO 27001 · **ISO 22301** · KVKK-compliant data centers

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Executive Summary

portvMind Cloud is built for organizations that should not have to choose between data sovereignty, cost predictability and local expertise.

Businesses across Türkiye and the EMEA region are accelerating their transformation under pressure from generative AI initiatives, rising cyber security risk and expectations of uninterrupted digital experience. Yet IT leaders run into data residency obligations, unpredictable costs and limited local cloud expertise. **portvMind Cloud** closes that gap, delivering hyperscaler-class capability while keeping data, support and strategic control inside Türkiye.

Our OpenStack and Kubernetes based architecture runs from Tier-III+ data centers in Istanbul and Ankara. We offer elastic Compute, GPU pools, object and block storage, managed Kubernetes, automated backup and a transparent pay-as-you-go model. You are metered for as long as your resources stay on; you set budget thresholds in the console, receive alerts, and see a period-end overrun before it happens.

With 24/7 Turkish-language engineering support and international certifications including KVKK compliance, organizations accelerate innovation without absorbing hidden costs. portvMind was positioned as a **Major Player** in the **IDC MarketScape 2025** Türkiye Public Cloud IaaS assessment.

This white paper examines the dynamics shaping the 2026 cloud market, portvMind's architecture and services, and how the platform stands apart from other providers on data sovereignty, performance and customer experience.

01

Market Context and Challenges

According to IDC's 2025 CEMA guide, cloud spending in the region will reach USD 48 billion by 2027, with Türkiye growing at a 26% compound annual rate. CIO surveys identify data sovereignty regulation, the rising cost of AI workloads and the talent gap as the three most critical barriers. Global hyperscalers Competitor 1-3 offer rich service portfolios but lack local support and data residency; local provider Competitor 4 falls behind on service depth.

portvMind answers these needs by combining a sovereign, AI-ready cloud with price predictability and local expertise.

02

portvMind Cloud

portvMind Cloud is a next-generation IaaS & PaaS platform built on OpenStack and Kubernetes.

Compute
Elastic virtual servers

GPU / AI Compute
NVIDIA H100 and L40S pools

Block Storage
High-IO persistent disks

Object Storage
S3-compatible object storage

Managed Kubernetes
Autoscaling and CI/CD integration

Backup
Policy-based automated backup

Load Balancer, Router, Floating IP
Software-defined network components

Network and Data Transfer
Intra-region traffic at no charge

The platform also includes built-in IAM, key management, DDoS protection, a real-time billing console, and VMware and bare-metal migration tooling.

03

Core Architecture and Services

Built on a spine-leaf 100 GbE network, Ceph-based storage clusters and NVIDIA H100/L40S GPU pools, the infrastructure runs active-active across two metro regions and delivers a **99.9% SLA** for critical services.

A service mesh secures east-west traffic while Vault-backed IAM enforces zero-trust access.

04

Differentiators and Competitive Comparison

The table below compares **portvMind** with Competitors 1-4 across strategic dimensions.

Capability	portvMind	Comp. 1	Comp. 2	Comp. 3	Comp. 4
Data residency (Türkiye)	✓ Istanbul, Ankara	x	x	x	Istanbul
24/7 Turkish support	✓	x	x	x	✓
Managed Kubernetes	✓	EKS	AKS	GKE	Kubernetes service
GPU pool (H100 / L40S)	✓	✓	✓	✓	Limited
Budget alerts and forecasting	✓	—	—	—	—
Intra-region traffic free	✓	—	—	—	—
VMware migration tooling	✓	Available	Available	Available	vSphere only
ISO 27001 & KVKK	✓	ISO 27001	ISO 27001	ISO 27001	✓

05

Use Cases and Customer Outcomes

- **Finance:** A tier-one bank migrated 120 TB of core banking data to the Ankara region, achieving 30% lower latency and full KVKK compliance.
- **AI / ML:** A retail analytics firm trains large language models on our GPU pools at below the hyperscaler average cost.
- **Disaster Recovery:** A manufacturing group reached sub-five-minute RPO/RTO with multi-region object storage and Kubernetes backup.

> **Inomera**
> Absorbs e-commerce traffic that rises tenfold during campaign periods through autoscaling, without buying standby capacity.

> **Luvu**
> Handed infrastructure and security operations to portvMind and redirected engineering capacity to the product; its multi-region SaaS architecture runs on portvMind.

06

Security, Compliance and Governance

portvMind holds ISO 27001 and ISO 22301 certification and is undergoing SOC 2 Type II audit. All services run in KVKK-compliant data centers operated with multi-factor access control, HSM and continuous vulnerability scanning.

07

Pricing and Total Cost of Ownership

Our transparent pay-as-you-go model leads customers to report **up to 30% savings** in total cost of ownership against competitors. This comes from free intra-region data transfer, free shared bandwidth and lower GPU hourly rates.

You are metered for as long as your resources stay on — you do not pay for time you do not use. Compute, storage, network and platform services are metered **by the minute**; GPU / AI Compute is metered **hourly**.

30%	40%	৳2,000
Savings in total cost of ownership	Unit cost discount on committed use	Free starting usage credit

Committed Use

You do not need flexibility for resources you know will run uninterrupted all year. Commit those resources and your unit cost falls by **up to 40%**. Scope and term are set together after reviewing your usage profile; you do not have to commit your entire infrastructure.

08

Cost Control and Budget Management

In the console you define a monthly or period-specific budget and receive alerts when your spend reaches the **50%, 80% and 100%** thresholds. The forecasting feature reads your current consumption rate and tells you in advance whether you will exceed the budget by period end.

Alerts arrive by email and can be delivered to Slack, Microsoft Teams or your own application via webhook. Budget alerts notify; they do not stop resources automatically — you decide which resource to scale down.

09

Delivered and Roadmap

Delivered

AI Inference Service — Sovereign inference service on open-source models went live.

Payment Budget — Budget thresholds, period-end forecasting and webhook notifications added to the console.

Backup — Policy-based automated backup added to the service catalog.

Roadmap

2027 — FinOps Advisor for real-time cost anomaly detection

2027 — Expansion into the UAE region

2028 — Confidential-computing nodes

10

Conclusion

portvMind Cloud accelerates enterprise modernization while meeting Türkiye's data sovereignty and performance requirements.

Get started

Your first ₺2,000 of usage is free. Open an account in the console and start using services; no prepayment and no commitment.
portvmind.com

Talk to our team

For enterprise evaluation, committed-use discounts or VMware / bare-metal migration planning:
vmind.com.tr/iletisim

Technical support

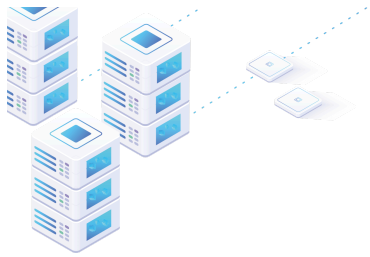
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About vMind

Founded in 2013, **vMind Bilgi Teknolojileri A.Ş.** is Türkiye's cloud leader, with 99% customer satisfaction and numerous industry awards. It delivers end-to-end IT solutions across more than 26 sectors.

Independent recognition: IDC MarketScape 2025 — Türkiye Public Cloud IaaS, Major Player · Bilişim 500 — Cloud category leader six times · ISO 27001 · ISO 22301

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[1] IDC MarketScape: Türkiye Public Cloud Infrastructure as a Service 2025 Vendor Assessment.
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