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SOLUTIONS

# Modernised Endpoint OS Strategy



If your organisation is running large estates of traditional Windows-based endpoints, you already know they're **costly to maintain, complex to secure, and inefficient in modern cloud or VDI environments.**

Modernising the endpoint operating system using **IGEL OS** enables you to:

- Extend the lifespan of existing endpoint hardware
- Simplify IT operations and patch management
- Optimise Virtual Desktop Infrastructure (VDI)
- Reduce Microsoft licensing costs in certain environments
- Strengthen security and endpoint resilience
- Improve disaster recovery and workforce continuity

This approach shifts endpoints from **complex, high-maintenance desktops** to **secure, centrally managed access devices for digital workspaces.** The focus is on non-knowledge worker environments.

## Business challenge

The pressure to modernise endpoint infrastructure is real, and it's coming from multiple directions at once:

### Rising endpoint management costs

- Frequent OS patching and updates
- Large helpdesk overheads
- Device configuration inconsistencies

### Hardware refresh cycles

- Traditional endpoint lifecycles of **3–4 years**
- Growing capital expenditure on hardware replacements

### Increasing security risks

- Large attack surfaces on full desktop operating systems
- Endpoint ransomware vulnerabilities

### Workforce flexibility

- Growth of remote and hybrid work
- Need for secure access to cloud and virtual desktops

## VDI and cloud adoption

- Organisations moving workloads into platforms such as
  - Citrix
  - VMware
  - Microsoft Azure Virtual Desktop

# Where we work with you

## Financial Services

- Branch workstations
- Call centres
- Trading floor support desktops
- Secure remote access

Benefits:

- Reduced endpoint risk
- Simplified regulatory compliance
- Secure access to cloud platforms

## Healthcare

- Clinical workstations
- Nurse stations
- Shared medical terminals

Benefits:

- Faster logins
- Secure access to clinical applications
- Simplified endpoint management

## Education

- Student labs
- Library computers
- Remote learning environments

Benefits:

- Extend lifecycle of education devices
- Simplify IT administration
- Support VDI learning environments

## Manufacturing

- Shop floor terminals
- Operational technology interfaces
- Shared industrial workstations

Benefits:

- Simplified endpoint maintenance
- Extended hardware lifecycle
- Secure operational access

## Retail

- POS systems
- Store back-office terminals
- Warehouse workstations

Benefits:

- Improved device longevity
- Simplified management
- Secure centralised control

# Key Capabilities

OS modernisation replaces or supplements traditional desktop operating systems with **a lightweight, secure endpoint OS optimised for digital workspaces.**

With **IGEL OS**, we help you convert existing endpoints into **secure access devices for virtual desktops, SaaS platforms, and cloud services.**

Key components include:

- IGEL OS running on endpoints
- Centralised endpoint management through IGEL UMS
- Secure connection to VDI or cloud services
- Stateless endpoint architecture

# Business benefits

## Hardware lifecycle extension

We work with you to repurpose and extend the life of your existing devices, reducing capital spend without compromising protection.

Benefits:

- Extend hardware lifecycle by 3–5 years
- Convert existing PCs and laptops into IGEL endpoints
- Reduce capital expenditure on endpoint refresh cycles
- Lower power consumption compared to traditional desktops
- Support mixed hardware environments (Dell, HP, Lenovo, etc.)

Industry impact:

- Call centres
- Healthcare workstations
- Financial services branches
- Manufacturing terminals
- Retail POS environments

## Optimised VDI environments

IGEL OS is purpose-built for virtual desktop infrastructure environments.

Supported platforms include:

- Citrix
- VMware

- Microsoft Azure Virtual Desktop

#### Benefits:

- Faster login times and improved session performance
- Reduced local OS overhead
- Stateless endpoints reduce configuration drift
- Centralised endpoint configuration
- Rapid deployment of new VDI users

#### Industry use cases:

- Banking branch desktops
- Healthcare clinical workstations
- Insurance call centres
- Retail shared terminals
- Education labs

## **Microsoft environment optimisation**

IGEL enables secure access to Microsoft ecosystems without requiring full Windows desktops.

#### Supported services include:

- Microsoft 365
- Microsoft Teams
- Azure AD / Entra identity integration
- Azure Virtual Desktop

#### Benefits:

- Secure access to Microsoft cloud applications
- Optimised Teams performance in VDI
- Reduced dependency on Windows endpoints
- Potential Microsoft licensing optimisation

#### Industry impact:

- Financial services
- Government
- Education
- Enterprise organisations with Microsoft-heavy environments

## **Operational efficiency**

Traditional desktop environments require continuous patching, configuration, and troubleshooting.

IGEL simplifies endpoint operations through centralised management.

#### Benefits:

- Centralised endpoint control using IGEL UMS
- Patch thousands of endpoints simultaneously
- Reduce configuration drift
- Lower helpdesk ticket volumes
- Rapid device provisioning
- Zero-touch endpoint replacement

#### Operational impact:

- Reduced IT support overhead
- Faster user onboarding
- Simplified endpoint governance

## **Disaster recovery and business continuity**

Modern endpoint architectures must support work-from-anywhere continuity during outages or disruptions.

#### Benefits:

- Rapid endpoint redeployment during DR events
- Users can reconnect from any IGEL-enabled device
- Stateless endpoints allow rapid recovery
- Support remote workforce continuity

#### Industry impact:

- financial services operations
- government services
- healthcare systems
- large enterprise service centres

## **Financial impact**

OS modernisation provides significant financial benefits across three areas.

#### Capital expenditure reduction

- Extend endpoint lifecycle by 3–5 years
- Reduce device refresh programs
- Repurpose older hardware

#### Operational cost reduction

- Reduced patching and maintenance overhead
- Lower helpdesk support costs
- Simplified endpoint management

#### Licensing optimisation

- Reduced Windows endpoint licensing in VDI-first environments
- Potential optimisation of Microsoft licensing models

# Summary

Here's what you gain when implementing OS modernisation using **IGEL OS**:

- Reduced endpoint total cost of ownership
- Simplified endpoint operations
- Improved security posture
- Extended hardware lifecycle
- Optimised VDI and cloud environments
- Strengthened disaster recovery capabilities

Endpoint OS modernisation represents a **strategic shift from device-centric computing to secure digital workspace access**.

We are not proposing to replace Microsoft everywhere. We're proposing you optimise your Microsoft footprint by right-sizing your endpoint OS based on risk, cost, and function.

By implementing **IGEL OS**, you can modernise your endpoint infrastructure while reducing cost, complexity, and operational risk across any industry.

**Right OS. Right endpoint. Right risk profile.**

**Knovation Solutions:**

**Website:** [www.knovation.co.za](http://www.knovation.co.za)

**Call:** +27 83 326 1198

**Email:** [info@knovation.co.za](mailto:info@knovation.co.za)



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