InfrOS

Case Study: Digital Services Cloud Migration POC

The Israeli National Digital Agency initiated a proof-of-concept cloud transformation with 10 pilot local municipalities. Using InfrOS to design the unified infrastructure, scope each municipality's needs, and generate Infrastructure-as-Code specifications, the pilot achieved: **$115,000 annual direct savings (19% ROI), $4 million work efficiency gains (667% ROI), $3.3 million increased tax collection (550% ROI)**, and **1,294% year-one total ROI**.

Executive Summary

The Israeli National Digital Agency initiated a proof-of-concept cloud transformation with 10 pilot local municipalities. Using InfrOS to design the unified infrastructure, scope each municipality's needs, and generate Infrastructure-as-Code specifications, the pilot achieved phenomenal results, and the project is scheduled to expand to 243 more municipalities.

- POC cost: $600K

Results

$115K
Annual Direct Savings

19% ROI

$4M
Work Efficiency Gains

667% ROI

$3.3M
Increased Tax Collection

550% ROI

1,294%
Year-One Total ROI

The Challenge

Proof-of-Concept Scope:

10 diverse municipalities with heterogeneous infrastructure, legacy systems, and different technology maturity levels required migration to unified cloud infrastructure while maintaining service continuity through planned downtime windows.

> ### Critical Challenge:
>
> Design unified infrastructure for 10 municipalities while creating documented migration processes for each municipality's unique systems.

The InfrOS Solution
Three Core Contributions

1. National Infrastructure Design

- Analyzed aggregate demand across 10 municipalities
- Designed unified, optimized cloud infrastructure
- Maintained flexibility for diverse municipality needs

2. Municipality Scoping and Bespoke Solutions

- Analyzed each municipality across 1,000+ infrastructure parameters
- Created tailored solutions within common infrastructure
- Eliminated over/under-provisioning

3. Infrastructure-as-Code and Migration Specifications

- Generated fully customized IaC for each municipality's deployment
- Documented data migration procedures specific to current systems
- Created deployment runbooks and rollback procedures

Each municipality's DevOps team executed deployment and data migration using the tailored Infrastructure-as-Code and specifications.

Program Results: Financial Impact and ROI
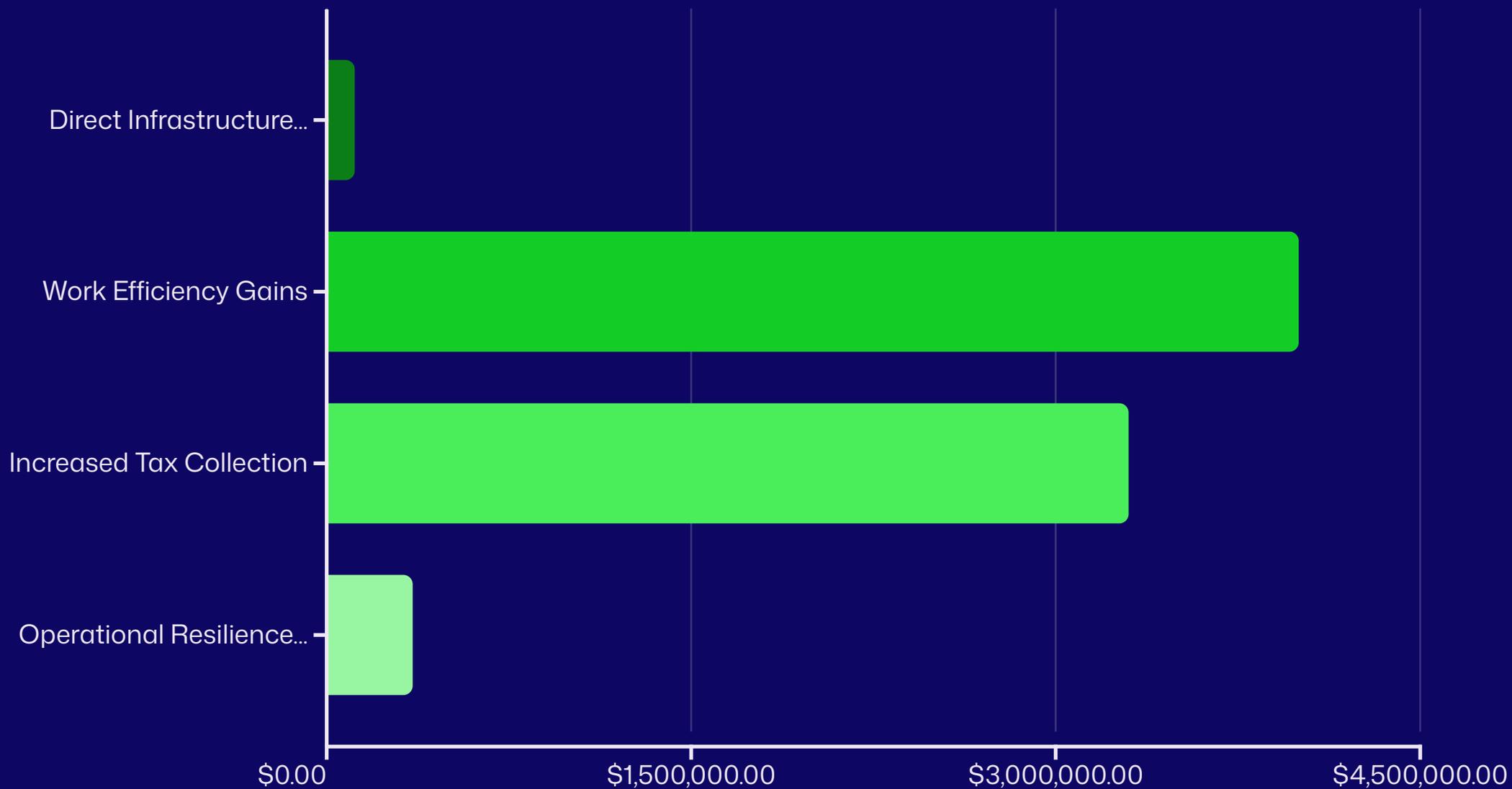
Direct Infrastructure Savings

$115,000

19% annually (95% cost recovery after 5 years)

Work Efficiency Gains

$4,000,000

667% return

Increased Tax Collection

$3,300,000

550% return

Program Investment Overview

1,294%

Total Year-One ROI

$7.765 Million total value

Initial Investment

$600,000 USD

Payback Period

~1 month

Municipalities

10

Citizens Served

~2 Million

Strategic Benefits

Standardized Security
Standardized security across all municipalities

Modern Digital Services
Modern, consistent citizen digital services

Repeatable Migration
Repeatable, documented migration approach for future expansion

Optimized Costs
Predictable, optimized infrastructure costs

Why This Approach Works

01

Unified Infrastructure ≠ Uniform Solutions:

Common infrastructure with 10 customized configurations standardization without forced uniformity.

02

Comprehensive Algorithmic Analysis:

InfrOS evaluates millions of possible configurations and architectures across 1,000+ parameters per municipality —far more thorough than human analysis. What consulting teams might analyze in dozens of scenarios, InfrOS optimizes across millions of possibilities, identifying solutions manual analysis would never discover. For the 10-municipality pilot, months of consulting work was completed in days.

03

Repeatable Automation:

IaC and specifications enabled consistent DevOps execution without per-municipality manual planning.

04

Confident Execution:

Clear, validated specifications provided to implementation teams before execution began.

Key Takeaways

- Unified infrastructure with bespoke configuration scales efficiently

- Design quality determines execution success

- Comprehensive algorithmic analysis far exceeds human capability—evaluating millions of configurations

- Infrastructure investment shows compelling ROI (1,294% year-one)

- POC success led to National Digital Agency approval for expansion to remaining 243 municipalities

About InfrOS and Program Partnership

InfrOS provided:

- Unified national infrastructure architecture design
- Analysis and scoping of 10 municipalities for bespoke solutions
- Detailed Infrastructure-as-Code and migration specifications

Program Execution

hms coordinated program execution. Each municipality's DevOps team deployed infrastructure and managed data migration using InfrOS specifications.

For more information: www.infros.io | info@infros.io

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