

TFSF Ventures Releases Hub-and-Spoke PE Command Center Showing 10 Agents Managing 22 Portfolio Companies

Open-source repository demonstrates \$816,000 annual operational savings through fund-level agent architecture with 82.9 percent cost reduction

DUBAI, UNITED ARAB EMIRATES, May 5, 2026 /EINPresswire.com/ -- A mid-market private equity fund managing 22 portfolio companies cut its operational overhead from \$82,000 to \$14,000 per month by deploying 10 autonomous hub agents through a [hub-and-spoke architecture](#). The client authorized TFSF Ventures FZ-LLC (RAKEZ License 47013955) to publish a sanitized clone of their production dashboard — with live infrastructure connections deliberately removed and all client-identifying data redacted under Ghost Architecture protocols.

The repository includes the working frontend, the validated financial model, and 47 automated tests that verify every calculation. The net savings of \$68,000 per month — \$816,000 annualized at 82.9 percent cost reduction — mean the \$14,000 monthly infrastructure cost generates nearly five dollars in savings for every dollar spent. The deployment has been live for 68 days, processing 268 tasks per day across the 10-agent fleet.

"The PE industry has a unique problem that makes it the ideal deployment target for hub-and-spoke agent architecture," said a company representative. "Operating partners need visibility across dozens of companies simultaneously, each with different accounting standards, reporting cadences, and operational maturity levels. Building that intelligence once at the fund level and connecting it to every portfolio company through lightweight spoke agents is fundamentally different from deploying automation company by company."



TFSF Ventures FZ LLC

The 10 hub agents handle the operational workload that previously required six full-time equivalents at the fund level plus dedicated reporting resources at each portfolio company. The agents cover portfolio health monitoring, LP report generation, deal flow screening, due diligence acceleration, board pack assembly, value creation tracking, ESG compliance monitoring, exit readiness scoring, FX and treasury management, and financial consolidation across multiple currencies and accounting standards.

The repository includes a three-layer exception handling pipeline that demonstrates how production agent deployments manage edge cases. Of 72 exceptions detected during the deployment period, 23 required escalation beyond the initial agent response, and only 5 required human intervention — a 93 percent automated resolution rate. Each exception record includes a full forensic narrative documenting the detection, triage, and resolution pathway. All client-identifying information has been removed under what TFSF Ventures calls Ghost Architecture — a deployment methodology where the client never sees the infrastructure provider's branding. This is the second time a client has authorized the public release of their production deployment under these protocols. The fund name is CSS-blurred in the interface, all 22 portfolio company names are replaced with fictitious identifiers, team member initials are redacted, and every API endpoint is fully masked. Zero vendor names appear anywhere in the codebase — a constraint enforced by 15 dedicated Ghost Architecture tests that scan every source file.

The dashboard itself is a fully functional React application deployed on Vercel with a working login screen, interactive hub-and-spoke network visualization with animated data flow particles, clickable portfolio company nodes with drill-down overlays showing savings and exit readiness scores, individual agent detail panels with activity logs showing both task execution and self-healing events, live-updating savings counters, and full settings panels including escalation rules, integration configurations, and a nine-point privacy compliance checklist.

A Phase 2 expansion model included in the dashboard projects an additional 15 agents producing \$39,600 per month in additional savings at \$5,400 per month in incremental infrastructure cost. Combined with Phase 1, the total projected savings reach \$107,600 per month — \$1,291,200 annually — at an 84.7 percent cost reduction across the full deployment.

This is the second public code repository TFSF Ventures has released from a production deployment. The first, published in April 2026, demonstrated 15 agents operating a professional services firm and has been accompanied by a video walkthrough, multiple published articles, and independent press coverage.

The repository, live dashboard, and sanitized codebase are available at github.com/SFOSTER2030/pe-command-center.

Business operators and PE operating partners evaluating agent deployment can start with the

[free TFSF Ventures Operational Intelligence Assessment](https://tfsfventures.com/assessment) at tfsfventures.com/assessment — 19 questions, approximately 8 minutes, custom deployment blueprint delivered within 48 hours.

ABOUT TFSF VENTURES

TFSF Ventures FZ-LLC (RAKEZ License 47013955) is a venture architecture firm headquartered in Ras Al Khaimah, UAE. The firm deploys intelligent agent infrastructure across businesses through three integrated pillars: Agentic Infrastructure, Nontraditional Payment Rails, and a full Venture Engine. With 27 years in payments and software infrastructure, TFSF Ventures operates globally across 21 verticals with a 30-day deployment methodology.

Aisha Amin

TFSF Ventures FZ, LLC

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