

# The US GOVERNMENT



## An iFortress Case Study

*The US Government required a highly specialized processing center with expansion capabilities be located within an existing data center with zero room for disruption or downtime.*

### Challenge:

Build a data center within a data center without turning it into a construction zone.

### Solution:

Assembling an on-site adaptively designed, spatially elastic MCF Series iFortress™ within a fully operational, much larger mission critical facility.

Every IT operation is critical and cannot afford risk unnecessarily. When building a conventional data center, the amount of dust, contractors, noise, and general disruption is intolerable enough, but the amount of risk involved is the ultimate nightmare for the owners of these facilities. With iFortress, there is no need to quarantine the area of deployment with plastic curtains because there is zero dust or disruption created during assembly.

### Meeting Today's Spatial Requirements without Limiting Future Growth.

The US Government only needed 1,000 ft<sup>2</sup> today but knew with certainty that expansion was in their future. Prior to iFortress, the US Government decided on 2 options. Either knock a huge hole in the data center that would allow insertion of a shipping container, or over-build a 2,000 ft<sup>2</sup> facility, costing them double in operating costs.

iFortress engineered, delivered, and installed a 1,000 ft<sup>2</sup> MCF Series iFortress™ in 8 days, created no disruption or airborne challenges and nearly cut the budget in half.

### Scheduling Efficiencies

Due to the complexities associated with deploying such a facility, the US Government planned for 14 to 15 months in anticipation of delays despite conventional construction estimates of 9.5 months.

iFortress had the US Government's facility ready and operational in under 4 months.



**WHEN FACED WITH A DECISION...**

## THE US GOVERNMENT CHOSE iFORTRESS

The US Government is required to operate within highly secure environments that meet today's highest energy efficiency objectives. iFortress provided a solution that not only mitigated threats associated with conventional construction, but also accelerated their schedule, and reduced their P.U.E. from 3+ to 1.4 with a projected annual savings of \$240,000.

As a standard, regardless of location, each MCF Series iFortress™ is a self-contained, airtight, watertight, hermetically sealed, highly insulated, energy efficient, Green environment that comprehensively mitigates a whole host of human and environmental threats.

**JERRY LYONS, iFORTRESS™ PRESIDENT & CEO**



*“I have built data centers all around the world using union and non-union labor, trades and the like, and never have I experienced a team of professional installers as I have with iFortress. Your men really understand the critical importance of what they do and that it’s not just space like all the other offices that these trades tend to build.”*

*US GOVERNMENT,  
DIRECTOR OF OPERATIONS*



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## PROJECT PROFILE:

- Installation: 8 Days
- **Project: On Time/On Budget**
- **Zero: Change Orders/Project Delays**
- 1,000 ft<sup>2</sup>
- 50' x 20' x 10' 4"H
- Within an existing, fully operational data center
- 1 Door
- Highly specialized and dedicated processing
- Manufacturing: 10 Weeks
- **Zero Warranty Claims**