



## CASE STUDY: INTERNATIONAL GAME TECHNOLOGY

### Server Virtualization Creates Real Savings

Since 1981, International Game Technology (IGT) has been leading the gaming market. The company specializes in design, development, manufacturing, distribution and sales of computerized gaming equipment, software and network systems worldwide. IGT helped pioneer the concept of computerized player tracking and casino frequent-player rewards programs. The company has experienced rapid and vast expansion and acquisitions, and continues to revolutionize the casino gaming world.

With a server virtualization project, one server can house many applications and the old servers can be removed. The hardware generates quite a bit of heat and operates best at cool temperatures, thus requiring a large air-conditioning load. The electricity use of the air conditioning often can be as much as the electricity use of the hardware. This type of project saves energy in two ways: through the removal of old servers and a reduction in air-conditioning use.

### LEARN MORE

CALL | 800.342.6335

EMAIL | [commercial@nvenergy.com](mailto:commercial@nvenergy.com)

WEB | [www.nvenergy.com/commercial](http://www.nvenergy.com/commercial)

## More about this project...



### Project Summary

Server virtualization software allows multiple virtual machines to run on a single physical machine, sharing the resources of the single computer across multiple environments. The process becomes attractive for facilities that are physically out of space and do not have the room to add more servers for new applications. While IGT had adequate space in its server room, the company sought efficiency in operation—from the reduction in the hardware and improved ease of management to the reduced backup and recovery time—and the ability to test software configurations before deploying them on a live system.



### Energy-saving Equipment

IGT received an incentive from NV Energy to virtualize 100 servers and save about 12% of the server area's total energy use and air-conditioning load. The air-conditioning savings represented approximately 68% of the total kW (kilowatt) and kWh (kilowatt hour) savings. As a result of this project, IGT will save an average of 42 kW of demand use and 372,850 kWh of energy annually.



### Project Results

**Building Type:** Manufacturing

**Project Type:** Retrofit

**Measures:** Server virtualization

**Incentive:** \$22,492

**Projected Annual kWh Savings:** 372,850