

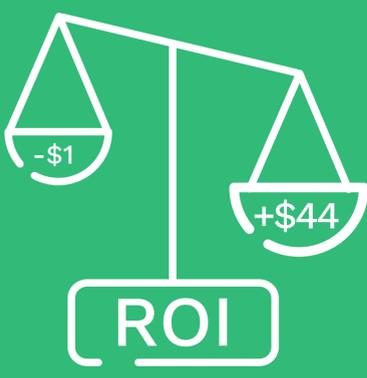
# Unleash the Power of High-performance Computing

Fueled by the need for greater computing power, businesses around the world are recognizing that high-performance computing (HPC) infrastructure is vital to support tomorrow's analytics applications.

Without a system powerful enough to handle the demands of artificial intelligence and machine learning, no business can survive in a landscape where such processes have become the standard.



## HPC Benefits are Powerful



The ROI on average is high, with **\$44 on average cost savings** per dollar invested

### \$19.5B

Worldwide HPC revenue is expected to reach **\$19.5 billion by 2022**

### \$16B

Worldwide AI revenue is expected to grow to **over \$16 billion by 2022**



Worldwide HPC revenue among smaller to medium sized installations is expected to have a **5.9% CAGR through 2022**

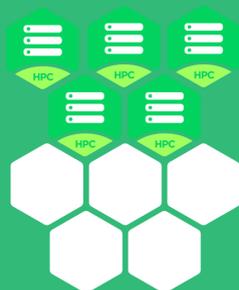
## The Challenges with HPC



## SUSE Fuels the Power of HPC



SUSE runs on **15 of the top 30** supercomputers in the world, and **39 of the top 100** supercomputers worldwide



SUSE Linux Enterprise for HPC is used in about **half of the top 100** HPC systems around the world



SUSE accounts for almost **60% of the commercial OS share** in the top 500 supercomputers



**Cray Linux Environment** is built on SUSE



SUSE is a founding member of the OpenHPC community



SUSE delivered the **first commercial support** for Arm architecture-based HPC

"SUSE Linux Enterprise Server is the ideal operating system for our supercomputer. It has a real lightness of touch, and doesn't get in the way of the computational workload. It features great tools for setup and configuration, like YaST, but gives us the flexibility to use other tools, which simplifies maintenance"

Niall Wilson  
Infrastructure Manager  
Irish Centre for High-End Computing



SUSE Linux Enterprise for High-Performance Computing provides a parallel computing platform for high-performance data analytics workloads. It's built for easy adoption across x86-64 and lower-cost ARM-based hardware with a focus on flexibility for today's HPC environments.

## Unleash the Power of HPC.

Learn more today at [www.suse.com/products/server/hpc](https://www.suse.com/products/server/hpc).

To find sources, [click here](#).