# HOONIFY OVERVIEW

### ABOUT HOONIFY

Hoonify Technologies drives technology beyond the limits to accelerate results. Hoonify creates a strategic competitive advantage for forward thinkers and industry players with a powerful business tool previously available only to the elite. Hoonify created a high-performance computing (HPC) software platform named TurbOS, which transforms industry-standard computers and data centers into leading edge supercomputers. Today's supercomputers deliver results for our nation's most complex problems. Companies seeking an edge can now accelerate their results through multiple solutions - all powered by Hoonify's TurbOS.

### **FOCUS AREAS**

#### **Accelerating Business Performance**

Hoonify applies HPC methodologies and expertise to accelerate your business performance in ways that have never been approached. These services can include some or all the elements within Hoonify's Advanced Solutions portfolio for accelerating results.

#### Leading Edge Solutions

- Availability HPC at the Edge and in the Data Center
- Performance HPC on industry-standard hardware
- Security Private and secure compute technologies
- **Scalability** On-demand infrastructure for changing workloads

## DIFFERENTIATORS

Hoonify's solution, TurbOS, has been operational and producing results across US government agencies protecting our nation for over four years. This was built with some of the best minds in supercomputing in the world, and the result of over \$149 million in investments. Hoonify spun out of DOE's Sandia National Laboratories to bring next-generation performance, measurable efficiency gains, and substantial reductions in capital and operational expenses to create new industry leaders.



# **LEADING EDGE SOLUTIONS**



#### HPC for Competitive Advantages

Hoonify's high-performance computing (HPC) solutions provide broad market applicability where modeling and simulation, as well as machine learning, are required to accelerate market results.

#### Modeling and Simulation

Affordability - Solve real-world problems more safely and efficiently Higher Fidelity - Utilize complex data sources and principles for greater quality results

#### Machine Learning

Hoonify's HPC solutions integrate machine learning capabilities and tools using advanced data science methods for accelerating results. These advanced technologies analyze the monumentally growing amount of data and deliver your greatest competitive advantage: transforming you into a data-driven

#### Space



#### Gadget 4

A massively parallel code for N-body / hydrodynamical cosmological simulations

#### Aerospace and Defense



#### OpenFOAM

Pre-/post-processing for the solution of computational fluid dynamics (CFD)

### Biopharma and Research

LAMMPS

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**Energy and Materials** 



Large-scale Atomic/Molecular Massively Parallel Simulator for classical molecular dynamics and materials modeling

Shock and deformation solid mechanics

code for multi-phase, elastic, viscoplastic,

porous and explosive materials

### **LEADERSHIP & TEAM**

Hoonify Technologies is led by its CEO and President, Andrew Clark, a 20+ year IT and Cyber Security leader, as well as its CTO and Vice President, Victor Kuhns, whose 30 years in supercomputing technologies with CRAY Research and Sandia National Laboratories drives our vision to energize the next generation of innovators and engineers by empowering today's industries with these elite capabilities. Our team includes John Zivnuska, COO and Ethics Officer, Blake Kinnan, VP of Engineering and Quality, and Connor Brown, VP of Software Development. Hoonify is operational in the US and actively working with multiple partners and companies, including ADACEN, Inc., an advanced data center solutions provider, and Intel Corporation, the world's leading innovator in computing architectures, to exceed industry's highest demands and continue delivering its advanced technologies to meet the evolving missions of private, public, and government agencies.

