



WE'RE PROUD SPONSORS OF THE FUTURE

SUSTAINABILITY REPORT

There's never been a better time for everyone in IT to team up and make a real difference in sustainability.

→ **JOIN US**

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IT'S TIME TO GET SERIOUS ABOUT SUSTAINABILITY

We're working for the future of the planet, the future of innovation, and the future of technology. It's a big job, and we've never been more excited about it.

When we all prioritize energy management, carbon emissions, and overall data efficiency, the entire world is better for it. It's not just about saving the polar ice caps; it's also about reaching performance metrics as they relate to sustainability. Let's commit to achieving both.

TOGETHER, WE CAN.

HERE'S HOW

-  Store only the data you need—in the most carbon-efficient locations
-  Fully understand your data infrastructure so you can take action to reduce emissions
-  Use the most efficient on-premises storage you can
-  Tap into cloud storage to tier, replicate, back up, or migrate necessary data

THE MOMENT OF TRUTH IS HERE



WHERE THE IT INDUSTRY IS TODAY:

Up to **68%** of data created and stored will never be used¹

Cost to store data waste = Cost of maintaining the entire airline industry²

8% of global electricity will be used by data centers alone by 2030³

1 TRILLION TB of data will be created by 2030⁴

THE URGENCY TO TAKE ACTION IS REAL

There's a shift from the top to prioritize sustainability so that it parallels profitability.

HERE'S WHAT'S HAPPENING:

01

Performance metrics are now being tied to energy consumption.

02

Energy prices are making or breaking a company's success.

03

Corporations must allocate capital to meet long-term ESG goals.

YOUR MOMENT TO ACT IS NOW

TO MAKE CHANGE, YOU HAVE TO BE THE CHANGE

There's a difference between talking about sustainability and actually doing something about it. The greenwashing chatter gets us nowhere. Action does. That's why NetApp's sustainability commitment goes way beyond helping our customers make a difference. We're creating real change inside NetApp because our future depends on everyone prioritizing a more sustainable world.

“

There should not be a difference between how sustainable organizations think they are and say they are versus how sustainable they really are.”

Matt Watts

NetApp Chief Technology Evangelist

SPONSOR THE FUTURE

ACT NOW TO POWER DOWN BIG DATA



> We're saving more than bottom lines and biodiversity; we're saving ideas, innovation, and progress.

By 2030, NetApp pledges to:

42%

Achieve a 42% reduction in Scope 1 and 2 emissions

50%

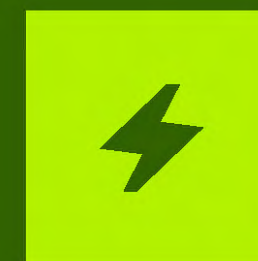
Achieve a 50% intensity reduction in Scope 3 emissions

Let's all commit to reducing greenhouse gas emissions scopes



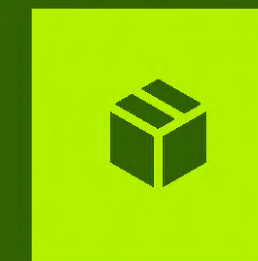
SCOPE 01

Direct emissions that come from sources a business owns and controls



SCOPE 02

Indirect emissions from actions like buying and consuming electricity



SCOPE 03

Indirect emissions from purchased goods and services and use of products sold

NETAPP SUSTAINABILITY PRACTICES SPOTLIGHT

ENTERPRISE FIXED ASSET PROGRAM

What is NetApp doing?

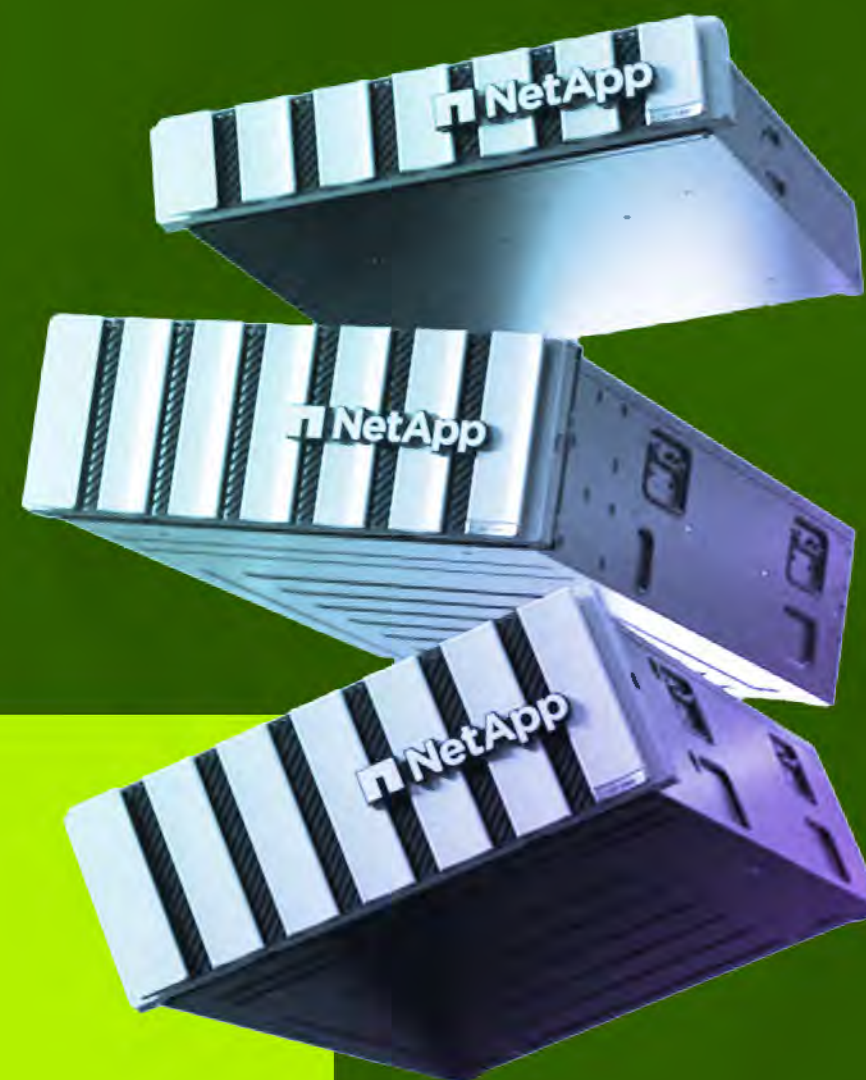
A core, cross-functional NetApp® team developed a program to repurpose fixed assets inside our organization. No need to buy new hardware when we can reallocate it to different areas of our business based on need.

How does it work inside NetApp?

Our equipment management system logs all of the available hardware. Departments submit requests, and assets are prioritized based on current hardware life cycle or innovation demands.

What is the impact?

Our program is reducing our carbon footprint while contributing to the longevity of our business. To date, we've achieved a capex savings of just under \$8.5MM in a little over a year.



More of NetApp's sustainability practices at a glance



Our internal data centers around the globe have reduced our carbon footprint by 65%



99% of our hardware is either recycled, resold, or returned to service via our e-waste program

OUR CUSTOMERS ARE AS COMMITTED TO THE FUTURE AS WE ARE



Sustainability is a group effort, which is why our customers look to us to help their IT operations align with their overall ESG goals.

CUSTOMER HIGHLIGHTS:

Aston Martin Aramco F1® Team

TAG Heuer Porsche Formula E Team

TU Delft


**CUSTOMER HIGHLIGHT:
ASTON MARTIN ARAMCO F1® TEAM**

THE RACE IS ON TOWARD NET-ZERO

Formula 1® has always been at the forefront of innovation, and as it races toward its Net-Zero by 2030 target, it is applying that expertise to create a more sustainable sport. ESG continues to be a focus for F1, as it looks to create a positive legacy wherever it races.⁵



GLOBAL PARTNER

 **DID YOU KNOW?**

- › From 2026, all F1 cars will use 100% sustainable fuel.⁶
- › Aston Martin Aramco's technology campus is powered largely by renewable energy.⁷
- › F1's industry-leading remote broadcast operations means the race you see on TV is being produced back in the UK, so less freight is shipped to each race.⁸

The Aston Martin F1® Team and NetApp have partnered since 2021 to drive performance and sustainability.



**CUSTOMER HIGHLIGHT:
ASTON MARTIN ARAMCO F1® TEAM**

NETAPP + ASTON MARTIN F1® TEAM ARE HELPING F1 CROSS THE FINISH LINE TO NET-ZERO

The right data infrastructure partner can make a big difference.

Process data at the source to reduce emissions associated with shipping data for analysis

Consolidate less efficient data systems to minimize power consumption

Back up vital workloads in the cloud to reduce emissions associated with on-premises backup

Use more simulation technology to test and learn in line with the sport's time-on-track restrictions, reducing carbon footprint

The Aston Martin F1® Team counts on NetApp to slash emissions.



UNIFIED DATA STORAGE

NetApp's new way to unified uses FlexPod AFF to monitor storage systems from one single OS control plane to help reduce energy expenditures



INTEGRATED DATA SERVICES

Using NetApp Astra® Trident to orchestrate and integrate storage systems accelerates workflows, ultimately driving down costs and emissions



CLOUDOPS SOLUTIONS

Cloud-enabled solutions protect vital data and allows for swift workload analysis, while reducing overall carbon footprint

**CUSTOMER HIGHLIGHT:
TAG HEUER PORSCHE
FORMULA E TEAM**

SUSTAINABILITY IS REVOLUTIONIZING RACING

What started as a few notes on the back of a napkin by two visionaries sitting in a Paris restaurant has become the fastest-growing motorsport series on the planet. Formula E officially launched in 2014. Its mission? To show the world how racing electric vehicles can drive toward a cleaner, better future.



Electric vehicle technologies proven on track are paving the way for innovations in commercial automotive manufacturing



Formula E is certified Net-Zero—the first sporting event in the world to do so

TAG Heuer Porsche Formula E Team joined the lineup in 2019, securing its first win in 2022. With sustainability and the podium top of mind, that same year TAG Heuer Porsche Formula E Team teamed up with NetApp to win on both fronts.



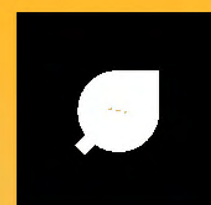
**CUSTOMER HIGHLIGHT:
TAG HEUER PORSCHE
FORMULA E TEAM**

NETAPP + TAG HEUER PORSCHE FORMULA E TEAM ARE GAINING SUSTAINABLE GROUND

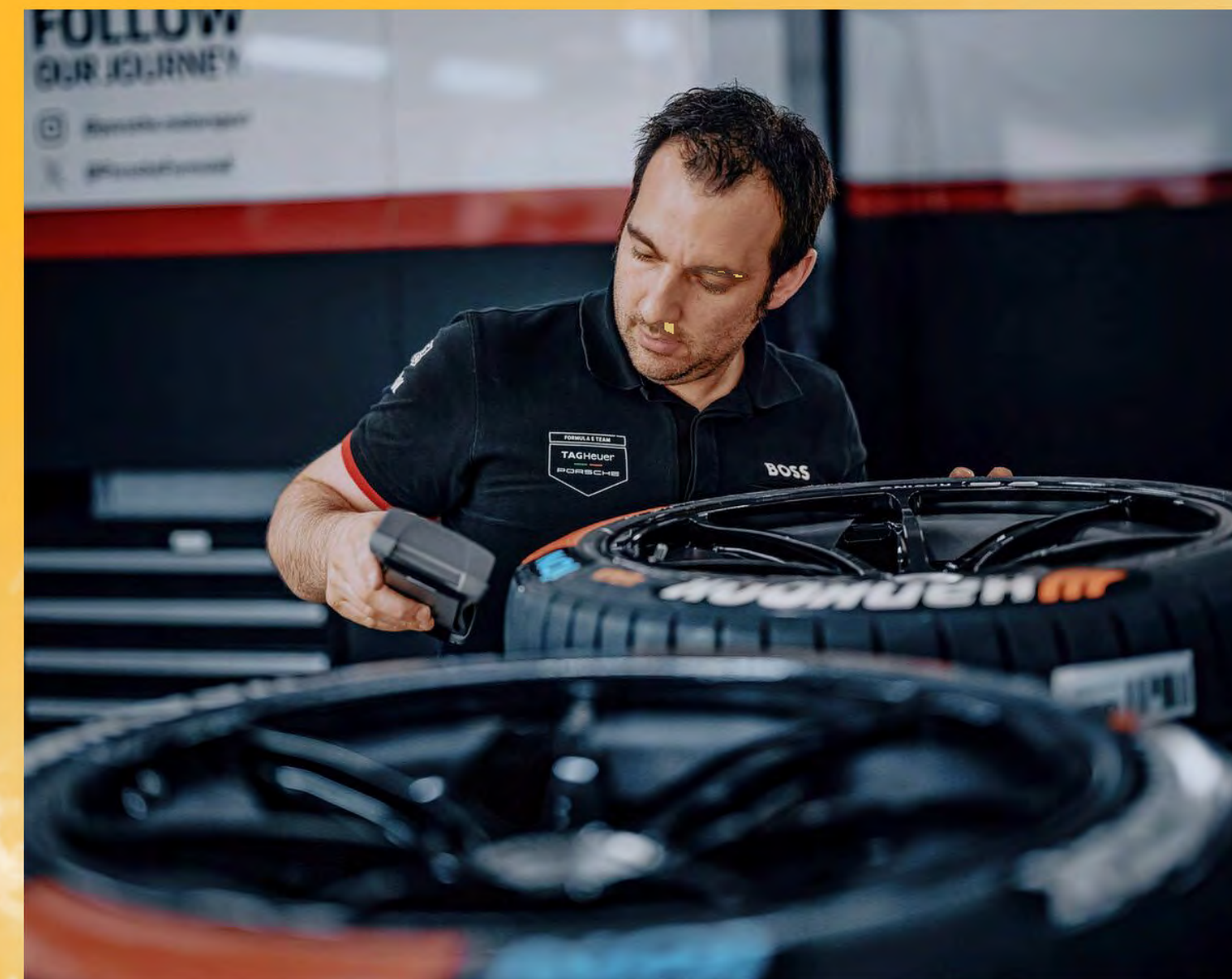
Reduction in carbon footprint



NetApp technology significantly reduces the amount of local storage needed and the weight of transported freight



Processing data synchronously not only boosts efficiency, but also improves the user experience



Data drives success

To succeed in its quest for a championship, TAG Heuer Porsche Formula E Team needs all data synchronized across every access point — before, during, and after the race.

NETAPP® GLOBAL FILE CACHE

With NetApp's Global File Cache, the team can access and process data from HQ to pit lane, improving overall race performance

NETAPP® CLOUD VOLUMES ONTAP®

Engineers improve productivity by enacting a single source of truth in the cloud with NetApp Cloud Volumes ONTAP®

NETAPP DATA BACKUP SERVICE

NetApp Cloud Backup increases data security so the TAG Heuer Porsche Formula E Team can stay focused on the finish line

**CUSTOMER HIGHLIGHT:
TU DELFT**

REDEFINE HIGH-PERFORMANCE COMPUTING, SOLVE FOR SUSTAINABILITY



The Delft University of Technology is no stranger to challenging research. Known as one of the top ten engineering and technology universities in the world, finding answers to complex problems in a wide range of fields, including sustainable practices, is in TU Delft's DNA.

**CUSTOMER HIGHLIGHT:
TU DELFT**

ACCELERATING RESEARCH AND SUSTAINABILITY

Meet the DelftBlue supercomputer that's solving some of the world's most complex problems—like climate change.

With NetApp and Fujitsu, the university replaced 15 small isolated heterogeneous HPC clusters with one single superpowered HPC cluster. Now hundreds of great minds can simultaneously access data and solve disparate compute- and GPU-based research projects.

NOTABLE RESEARCH AREAS

Materials science
Fluid dynamics

Quantum mechanics
Design optimization

AI
Big-data mining

THE INFRASTRUCTURE

High-speed parallel storage subsystem based on ThinkParQ BeeGFS and NetApp® high-performance E-Series and EF-Series storage systems

THE UPSHOT



85% faster computing performance



99.9999% availability



Faster answers to complex problems



Integrating Fujitsu compute and NetApp leads to greater speeds, more flexibility, reliability and performance. DelftBlue enables us, in a much easier way, to solve complex problems, including renewable energy, climate change, food production and water conservation. All of this is now possible."

Kees Vuik

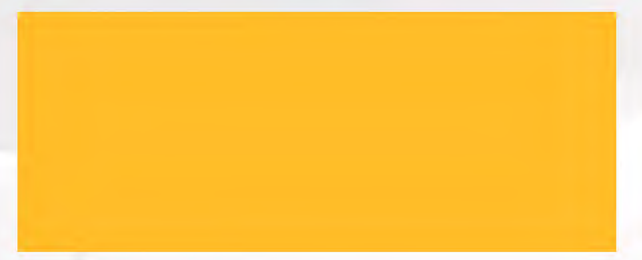
Professor of Numerical Analysis, TU Delft, and Scientific Director, DHPC



LET'S PARTNER TO SPONSOR A MORE PROMISING FUTURE

Together, we can use data to break new ground in sustainability.

- 01** Don't wait to eliminate data waste.
- 02** Assess your data's carbon footprint. Optimize. Repeat.
- 03** Demand to use the most efficient storage systems.
- 04** Tap into the cloud to migrate and manage data.



NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data services, and CloudOps solutions to turn a world of disruption into opportunity for every customer.

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- ¹ Seagate, [Rethink Data.](#)
- ² Bloomberg, [Cut Back on Email If You Want to Fight Global Warming.](#)
- ³ Fortune, [The Internet Cloud Has a Dirty Secret.](#)
- ⁴ IDC, [Data Age 2025.](#)
- ^{5,6} Formula 1, [F1 continues push to hit Net Zero Carbon by 2030 target.](#)
- ⁷ Aston Martin F1, [AMF1 achieves ISO 14001 Environmental Management Standard.](#)
- ⁸ Formula 1, [F1 steers future sustainable broadcasting with innovative Remote Operations.](#)