Building sustainable data center practices

How IT can reduce their environmental impact

Lorant Stenberg
CEO Iron Mountain Nordics

Elevate the power of *your work.*™ IRON MOUNTAIN®

Iron Mountain at a glance

Protect, unlock and extend the value of your information and assets

Bridge the gap between paper, digital, media & physical through secure workflows and business processes

Data center

Information governance

Intelligent processing & digital repository

Storage, shredding, logistics & fine arts

Digital mailroom & scanning

Asset lifecycle management

TRUSTED SECURITY

230,000+ clients rely on IRM to store and protect what's most important to them

GLOBAL SCALE, LOCAL REPRESENTATION

Iron Mountain Customers and Clients span the world with local representation in **60+ countries**

ENTERPRISE CLASS INTEGRATED SOLUTIONS

95% of Fortune 1000 organizations trust IRM to provide continuous lifecycle management for billions of assets

PHYSICAL & DIGITAL

90M sq ft., 1,450 facilities, 350MW data centre capacity

Force for good

We partner with our customers in a manner that is **environmentally responsible**.

Certified sustainability

All facilities are **ISO 50001 accredited for energy efficiency** providing audited energy usage data that requires continual improvement in operational efficiency every year.

IRON MOUNTAIN®

The Current Environment

The global ocean of big data is expected to swell to 175 ZB by 2025

Advanced technologies, such as AI, augmented reality, and IoT devices are driving demand for increased compute.

Data center managers must be able to quickly grow their infrastructure and operate with greater efficiency than ever before
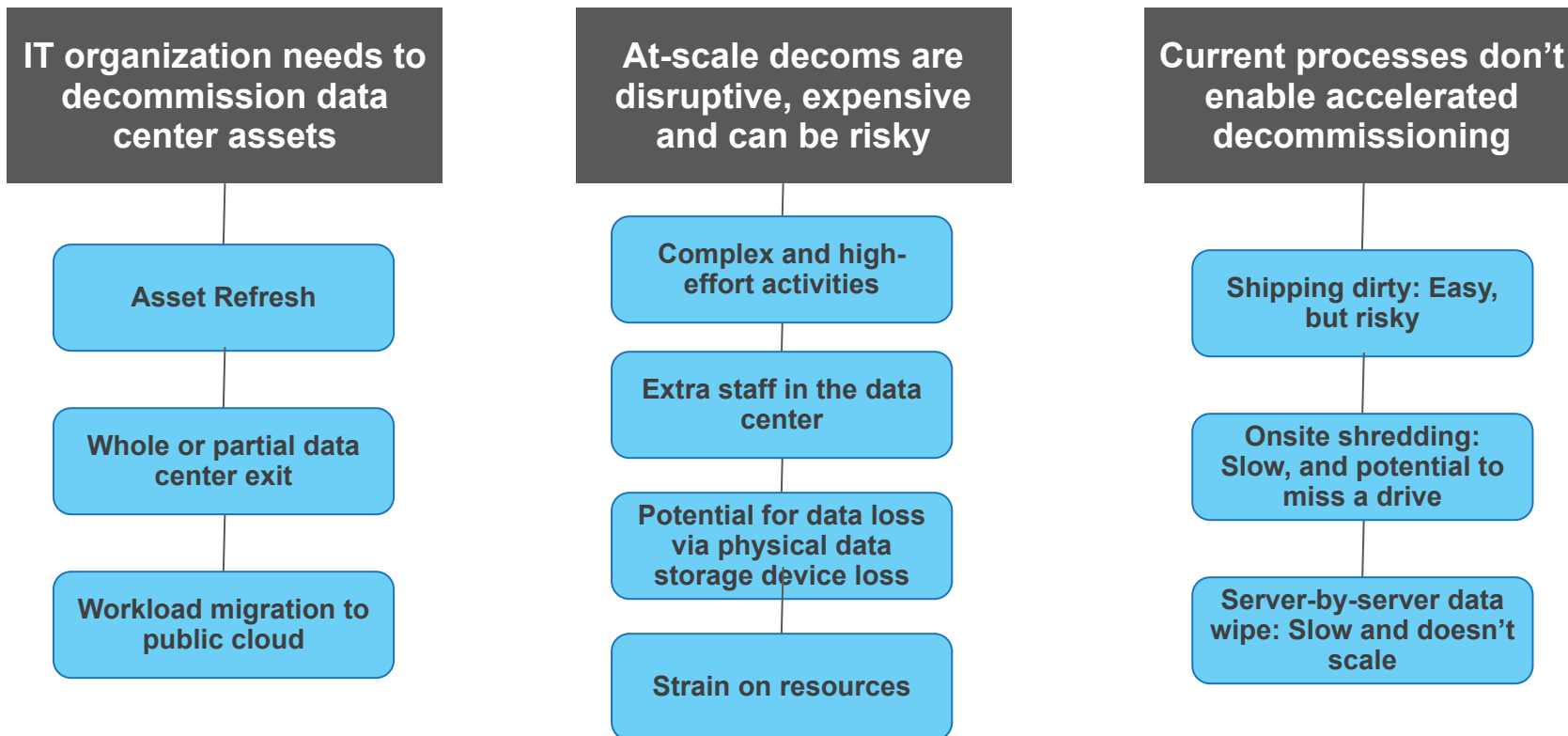
This is forcing data center managers to refresh equipment more often

Many enterprises could repurpose hardware – internal redeployment or resale – to maximize lifetime value, but most do not.

Asset Lifecycle Management must be more strategic and holistic to strike a balance between rapidly changing infrastructure needs and lifetime value and sustainability.

Data center decommissioning challenges

IT organization needs to decommission data center assets

- Asset Refresh
- Whole or partial data center exit
- Workload migration to public cloud

At-scale decoms are disruptive, expensive and can be risky

- Complex and high-effort activities
- Extra staff in the data center
- Potential for data loss via physical data storage device loss
- Strain on resources

Current processes don't enable accelerated decommissioning

- Shipping dirty: Easy, but risky
- Onsite shredding: Slow, and potential to miss a drive
- Server-by-server data wipe: Slow and doesn't scale
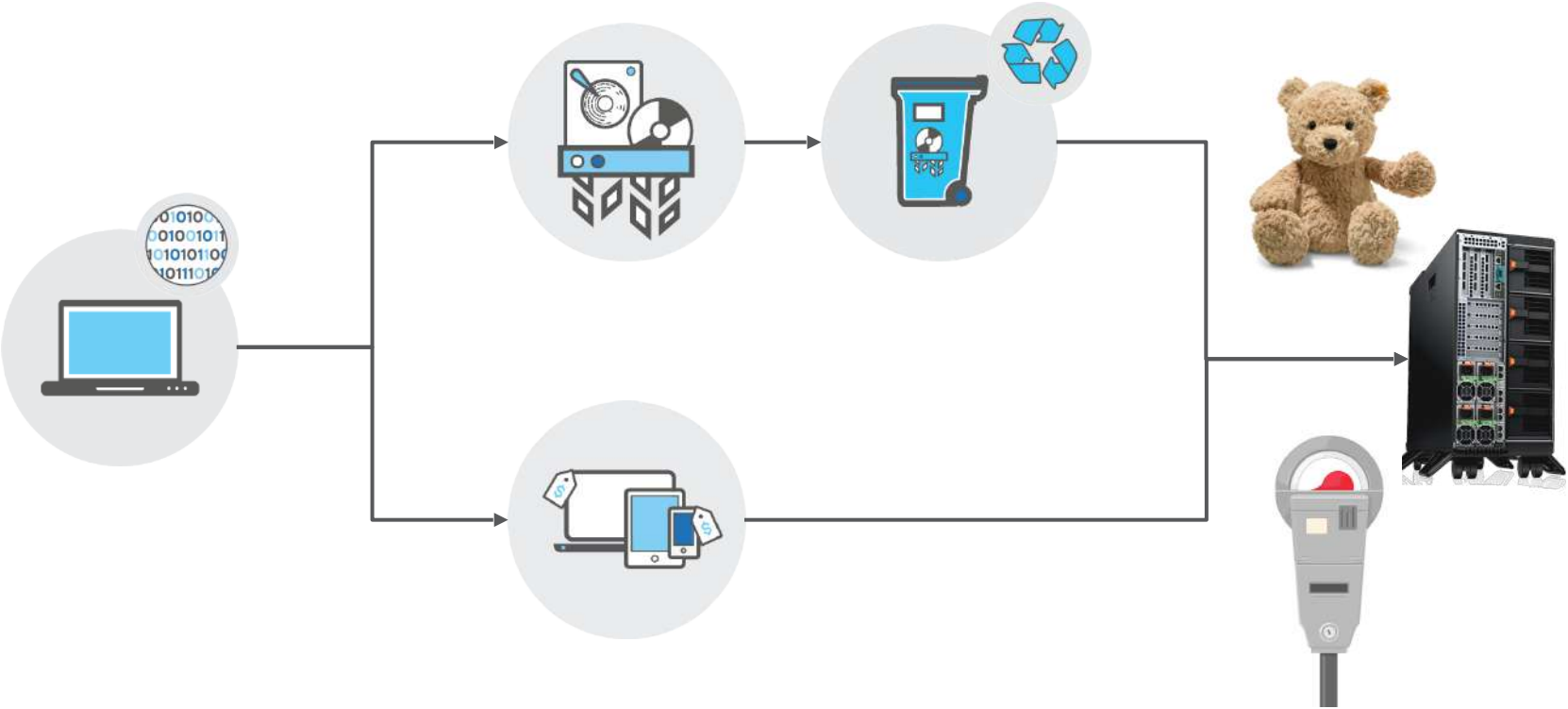
PRODUCTION → **DECOMMISSIONING**

CO2

E-WASTE
53 million tons/year

Think circular

Why accelerating the speed of decom is important

Time is Money	Disruption is Money	Risk is Money

Think about

- Server, storage and network asset leases expiring

- Colo or leased space paid-by-the-month

- Opportunity of costs of tied-up data center space and human resources

- Costs of potential data breaches

But, we cannot compromise on **security**

A peek inside our facilities

"Iron Mountain, som er global leder inden for informationsstyring, indgår et samarbejde med den svenske familievirksomhed MAX Burgers.

Iron Mountains servicetjeneste IT Asset Disposition (ITAD) hjælper MAX med at indsamle og genbruge selvbetjeningsautomater fra restauranterne.

Samarbejdet gælder hele processen lige fra transport af automaterne til nedtagning og videresalg af de elektroniske komponenter, der stadig kan bruges."

"A complete shift to recycled silver and gold will reduce CO2 emissions, water usage and other environmental and social impacts, as metals recycling requires fewer resources than mining new metals and reduces our dependence on hazardous mining.

By making this shift, Pandora can save 37,000 tCO2e a year. This equates to more than the annual electricity use of 6,000 homes or driving 145 million kilometers in a car."

90 % 🗑   10M enheter
Påverkan?

WHAT'S NEXT?

Come visit us in our stand to learn more