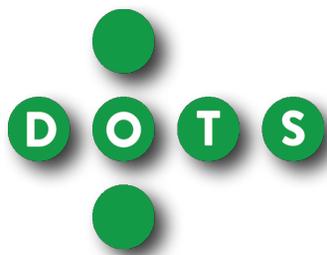




DOTS Design Principles

- Archival for no less than 500 years
- Data can be **seen**, and recorded in human readable form
- Data is retrieved without sophisticated technology
- Immune to magnetism & can withstand environmental stress
- Same form factor as existing LTO systems
- Compatible with current robotics, commands and LTFS
- One pass read/write of tape & able to support multiple data types
- Hardware devices are backwardly compatible for all previous generations



DOTS is Green Technology

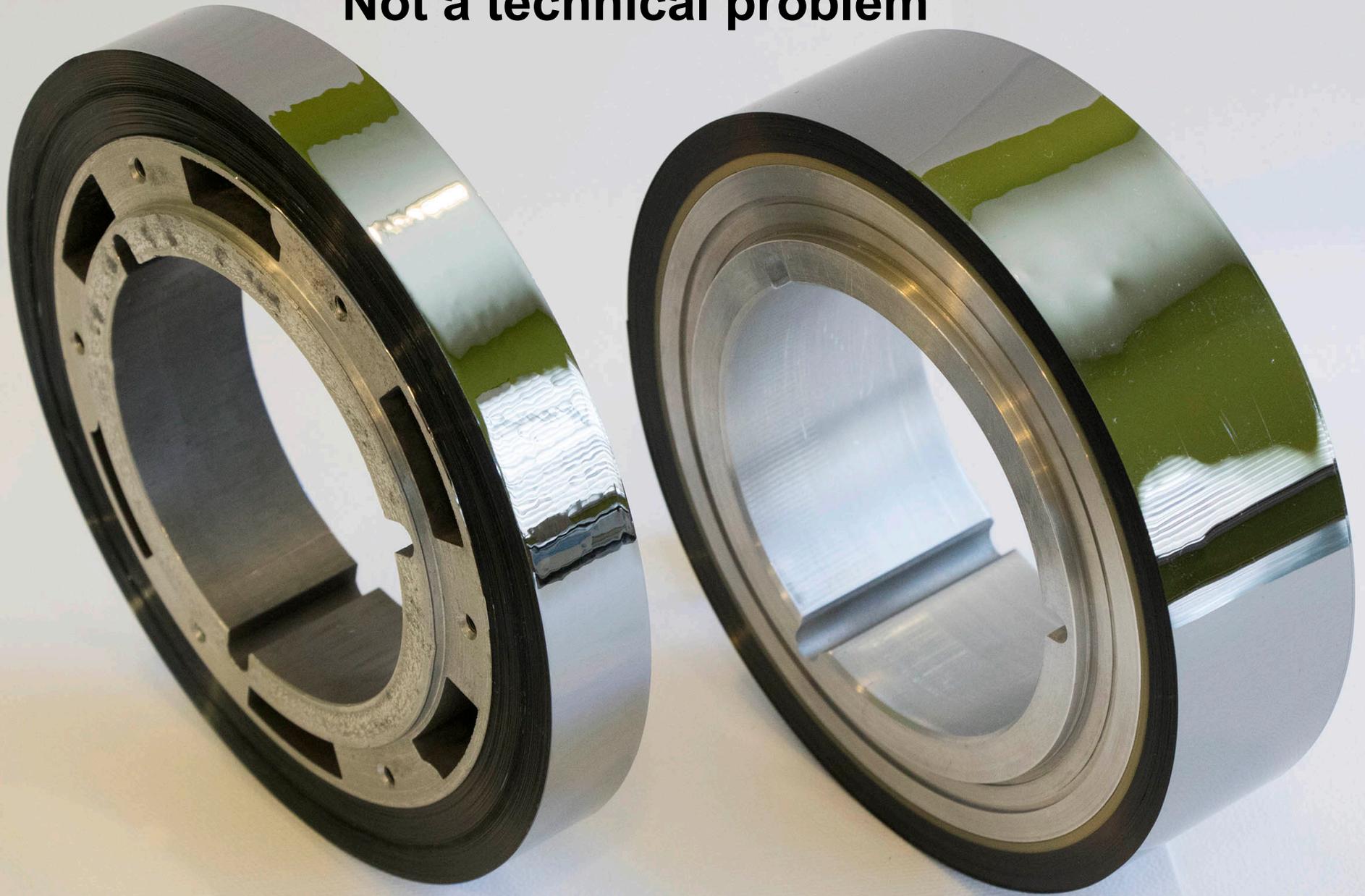
DOTS eliminates media & energy waste from forced migration, costly power requirements, and rigid environmental control demands

DOTS Preservation Technology Eight Years Later

Why is it still here?

September 18, 2018

Not a technical problem



Not a technical problem

- CIA
- IBM
- HP
- Western Digital
- Fujifilm
- Oracle
- SONY
- Technicolor
- Sandisk
- Amazon Web Services
- Among others...

Other Solutions

Cuneiform

- Holographic Storage
- Oracle Embossed Optical Tape
- Carbon Nanotubes
- Milleniata Disk (M-Disk)
- Hitachi Quartz Glass Storage
- Femto Lasers
- Now 5D and Microsoft
- DNA

From article about a 2 billion year data storage...

All humanity has to do now is work out how to build and power a machine to read this unbreakable data, which is as durable as the data itself.

Emily Reynolds, WIRED 2016

History has shown...

**Increasing complexity always leads to increasing
probability of catastrophic data loss**

**Does your preservation solution meet
the KISS test?**

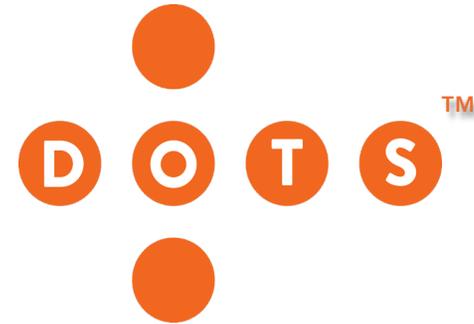
As for migration...

Copy data faster and faster

Or...

Choose a solution that lets you put it on the shelf until you have time to get to it

GROUP **47**



Rob Hummel
President & Founder
+1-818-992-4268
Mobile: +1-818-425-0141
rob.hummel@group47.com

Jimmy Kemp
EVP, Federal Systems
Group 47, Inc.
Washington, D.C.
Mobile: +1-202-439-3654
jimmy.kemp@group47.com