Andmesalvestus magnetlindid

IT alusteadmised

Aleksei Talisainen
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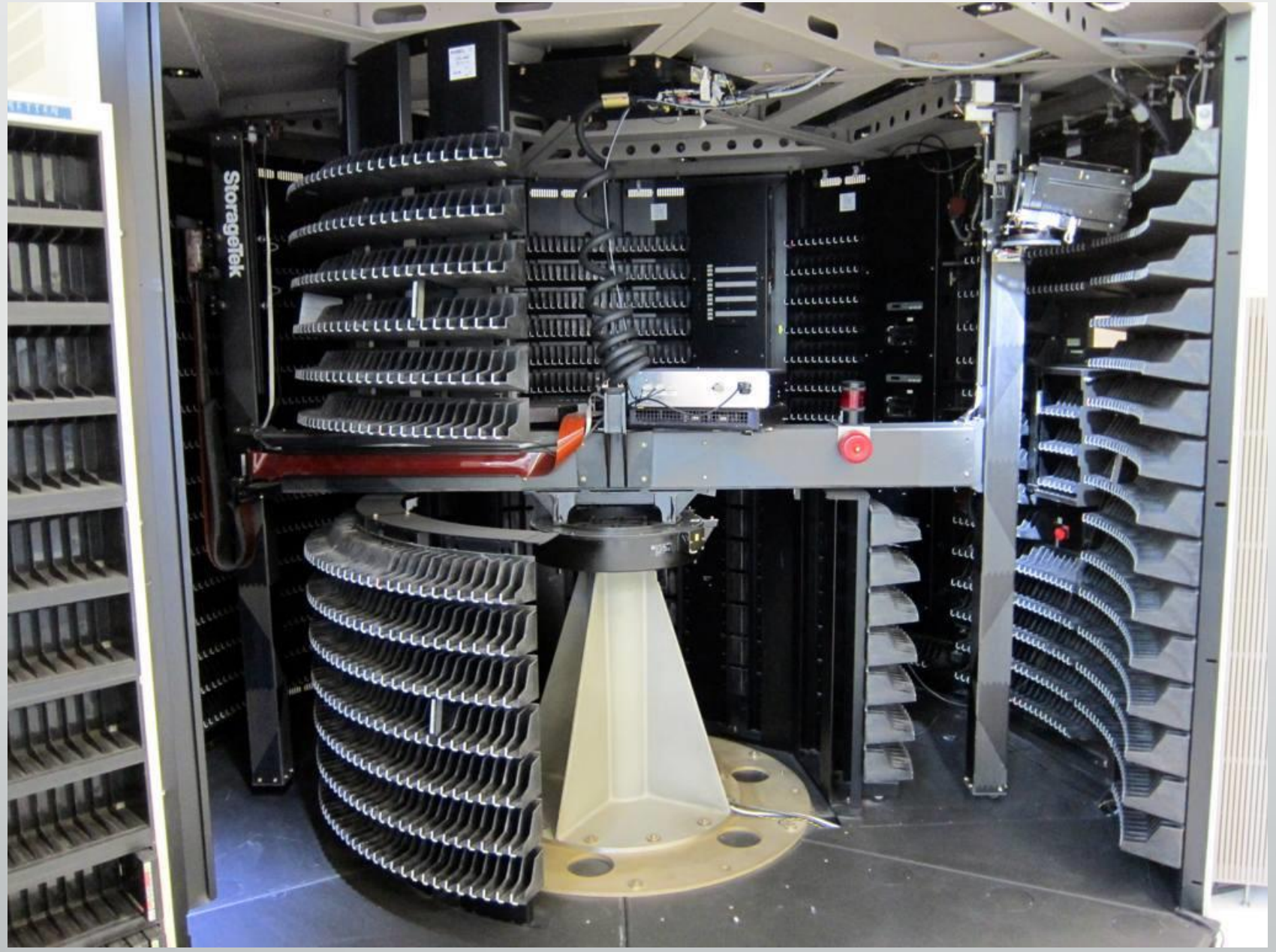
Andmesalvestusseadmed

- HDD;
- CD-ROM, DVD-ROM, BD (BluRay), HD DVD;
- Diskett, FDD;
- Magnetlindid;
- USB-mälupulgad, mälukaardid (Flash, SSD);
- Muutmälu ehk operatiivmälu (RAM);
- CMOS (BIOS).

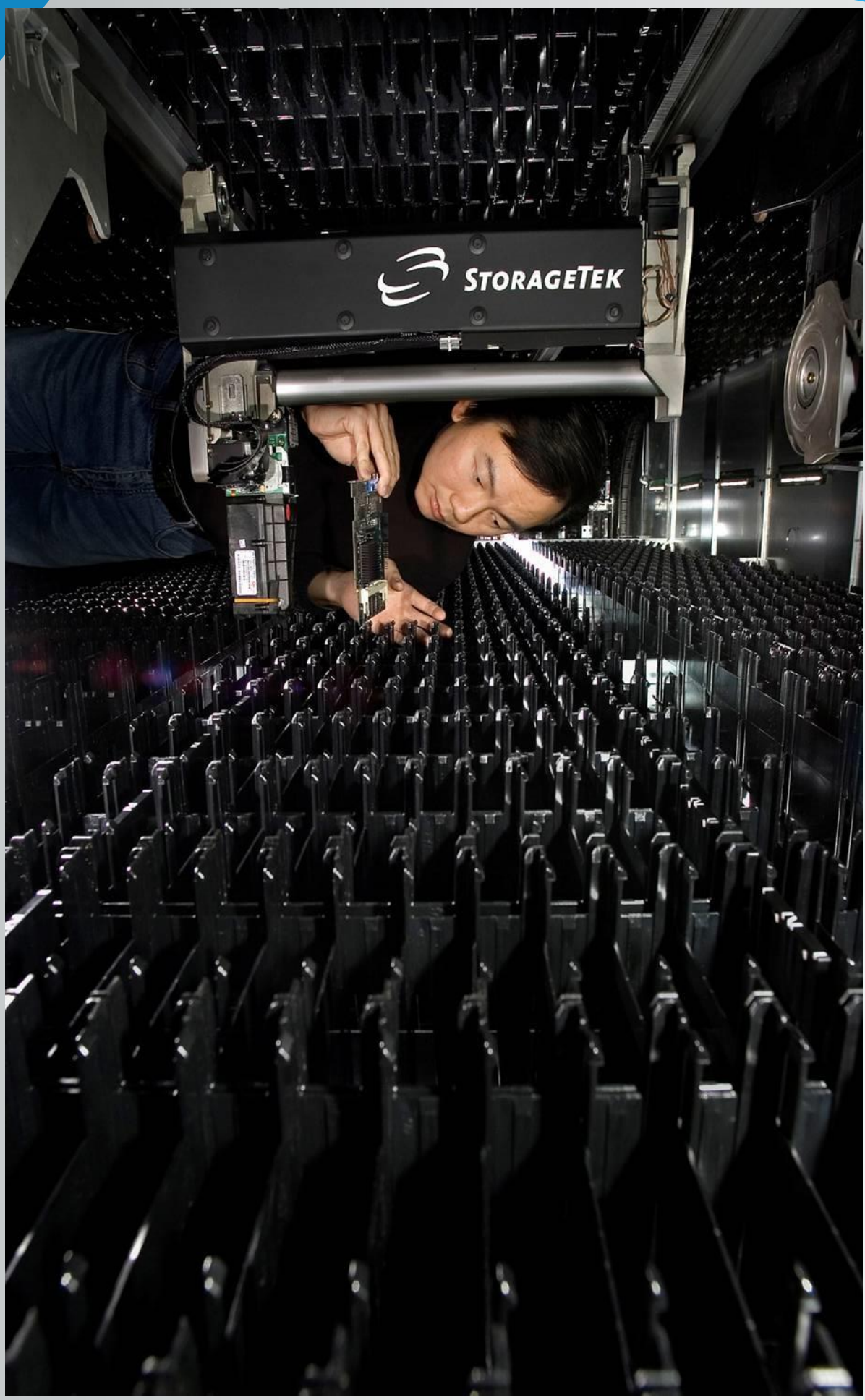
Magnetlindid

Spectra Logic (IBM) model TS1150


StorageTek

StorageTek SL8500

- Maht 857 PB kuni 2,1 EB
- 64 fiber-channel lugejat
- Kaal 1,5 tonni
- Keskmine lindi laadimise aeg 11 sec.


StorageTek

Amazon Snowmobile

Puudused

- 10-40 sekundit et linti paigaldada
- Kui lugejate arv on ebapiisav, lindid seisavad jarjekorras
- Lineaarne salvestamine

Eelised

- Säilivad hästi (madal degradatsioon);
- Стоимость в несколько раз ниже жёстких дисков сопоставимого объёма;
- Tarbivad vähen elektrit (ei tarbi, kui seisavad)
- Andmete taastamise tõenäosus on kõrgem võrreldes HDD ja SDD-ga

Magnetlindide rakendused

- Varukoopiad
- Arhiveerimine
- Suurte andmete salvestamine (Big Data)

Boeing 787s to create half a terabyte of data per flight, says Virgin Atlantic

Virgin Atlantic is preparing for a significant increase in data as it embraces the internet of things, with a new fleet of highly connected planes each expected to create over half a terabyte of data per flight.

Matthew Finnegan

March 6, 2013

Virgin Atlantic is preparing for a significant increase in data as it embraces the internet of things, with a new fleet of highly connected planes each expected to create over half a terabyte of data per flight.

Speaking to Computerworld UK at the Economist Technology Frontiers event, Virgin Atlantic IT director David Bulman said that the airline company is expecting an "explosion" of information generated from a growing number of sources, from employees and customers to cargo containers and planes.