

Bierzemy rozwód z Rosewoodem

Opowieść o najgorszym dysku świata

Paweł Kaczmarzyk

Specjalista odzyskiwania danych, Kaleron sp. z o. o.

WID WARSAW
IT DAYS

Prelekcja wybrana w wyniku selekcji przez
Radę Programową złożoną z uznanych
liderów obszaru IT oraz Data Science.

Warszawa,
19.03.2026 - 20.03.2026

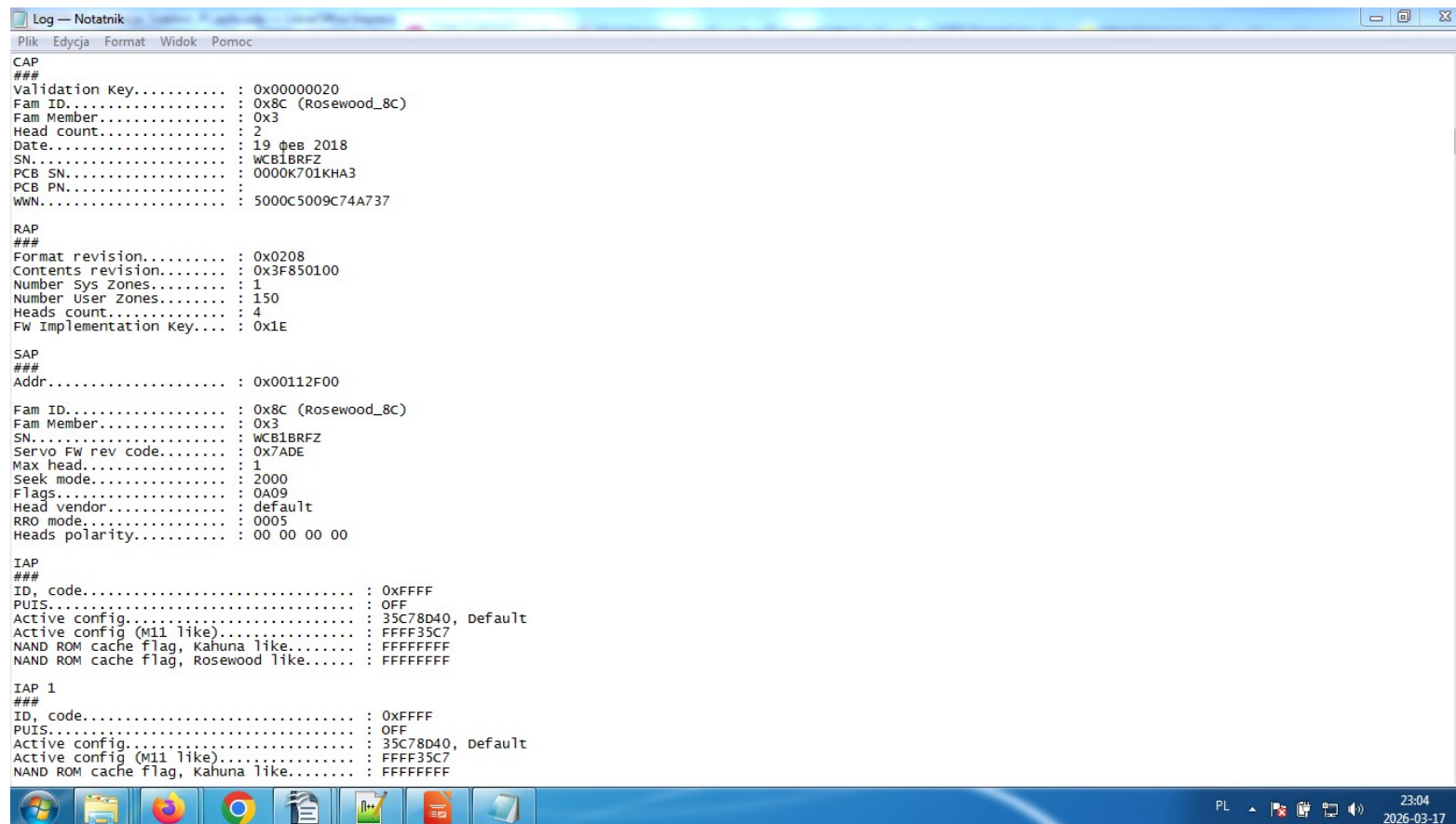


OFICJALNA PRELEKCJA WARSAW IT DAYS



Ausweis, bitte

Rosewood, to 4 rodziny: 8C, A5, AE i AF



```
Log — Notatnik
Plik Edycja Format Widok Pomoc
CAP
###
Validation Key..... : 0x00000020
Fam ID..... : 0x8C (Rosewood_8C)
Fam Member..... : 0x3
Head count..... : 2
Date..... : 19 feb 2018
SN..... : WCB1BRFZ
PCB SN..... : 0000K701KHA3
PCB PN..... :
WN..... : 5000C5009C74A737

RAP
###
Format revision..... : 0x0208
Contents revision..... : 0x3F850100
Number Sys Zones..... : 1
Number User Zones..... : 150
Heads count..... : 4
Fw Implementation Key.... : 0x1E

SAP
###
Addr..... : 0x00112F00

Fam ID..... : 0x8C (Rosewood_8C)
Fam Member..... : 0x3
SN..... : WCB1BRFZ
Servo Fw rev code..... : 0x7ADE
Max head..... : 1
Seek mode..... : 2000
Flags..... : 0A09
Head vendor..... : default
RRO mode..... : 0005
Heads polarity..... : 00 00 00 00

IAP
###
ID, code..... : 0xFFFF
PUIS..... : OFF
Active config..... : 35C78D40, Default
Active config (M11 like)..... : FFFF35C7
NAND ROM cache flag, kahuna like..... : FFFFFFFF
NAND ROM cache flag, Rosewood like..... : FFFFFFFF

IAP 1
###
ID, code..... : 0xFFFF
PUIS..... : OFF
Active config..... : 35C78D40, Default
Active config (M11 like)..... : FFFF35C7
NAND ROM cache flag, kahuna like..... : FFFFFFFF
```

Rosewood - niewierny partner.



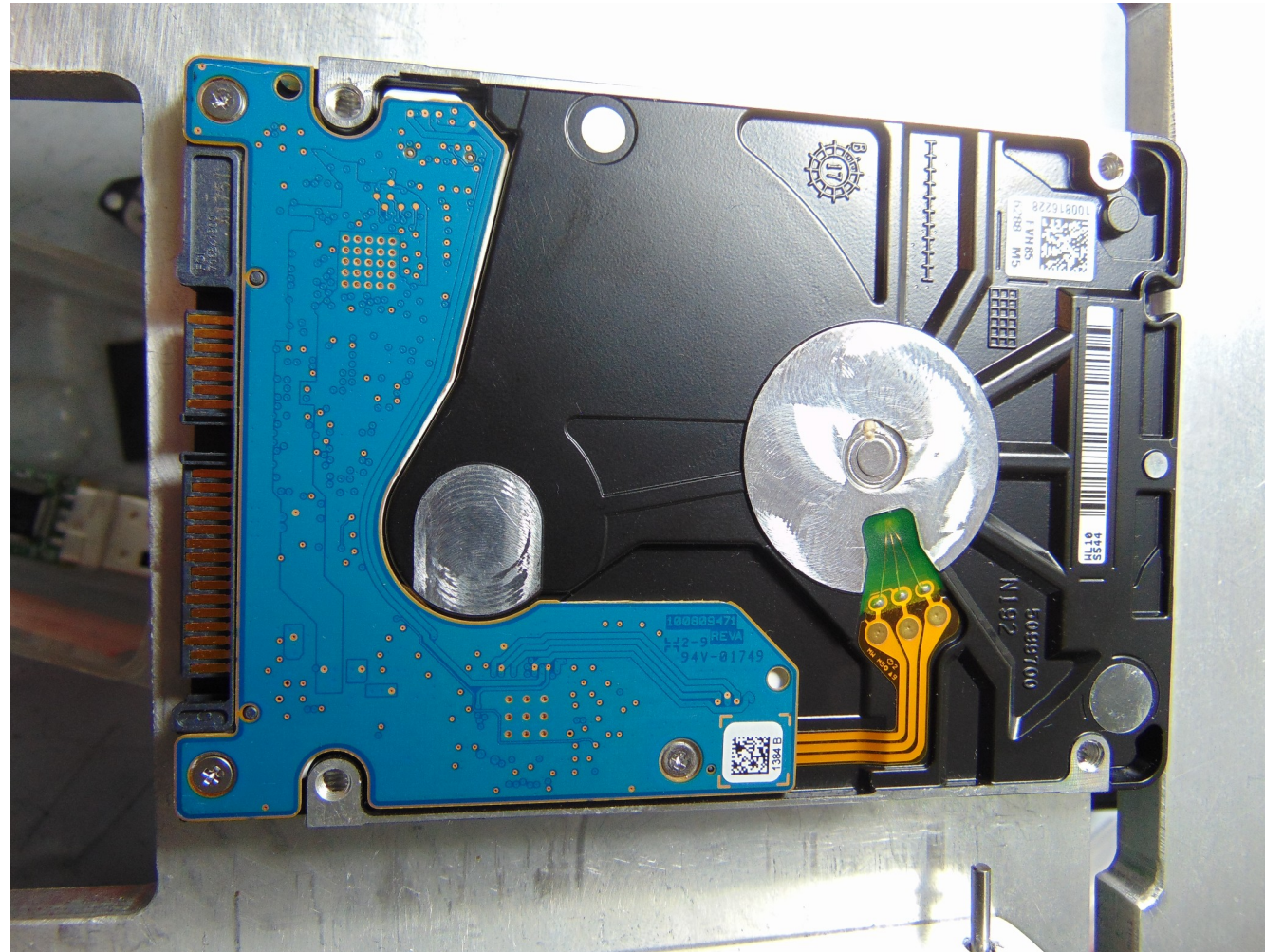
Rosewood - niewierny partner.



Rosewood - niewierny partner.



Rosewood – niewierny partner.



Przykładowe modele Roosewodów

ST1000LM035

ST1000LM048

ST2000LM007

ST2000LM015

ST500LM030

ST1500LM012

ST500LM033

ST500LM034

ST1000LM049

ST1000LM038

ST2000LM010

ST1000LM037

ST2000LM009

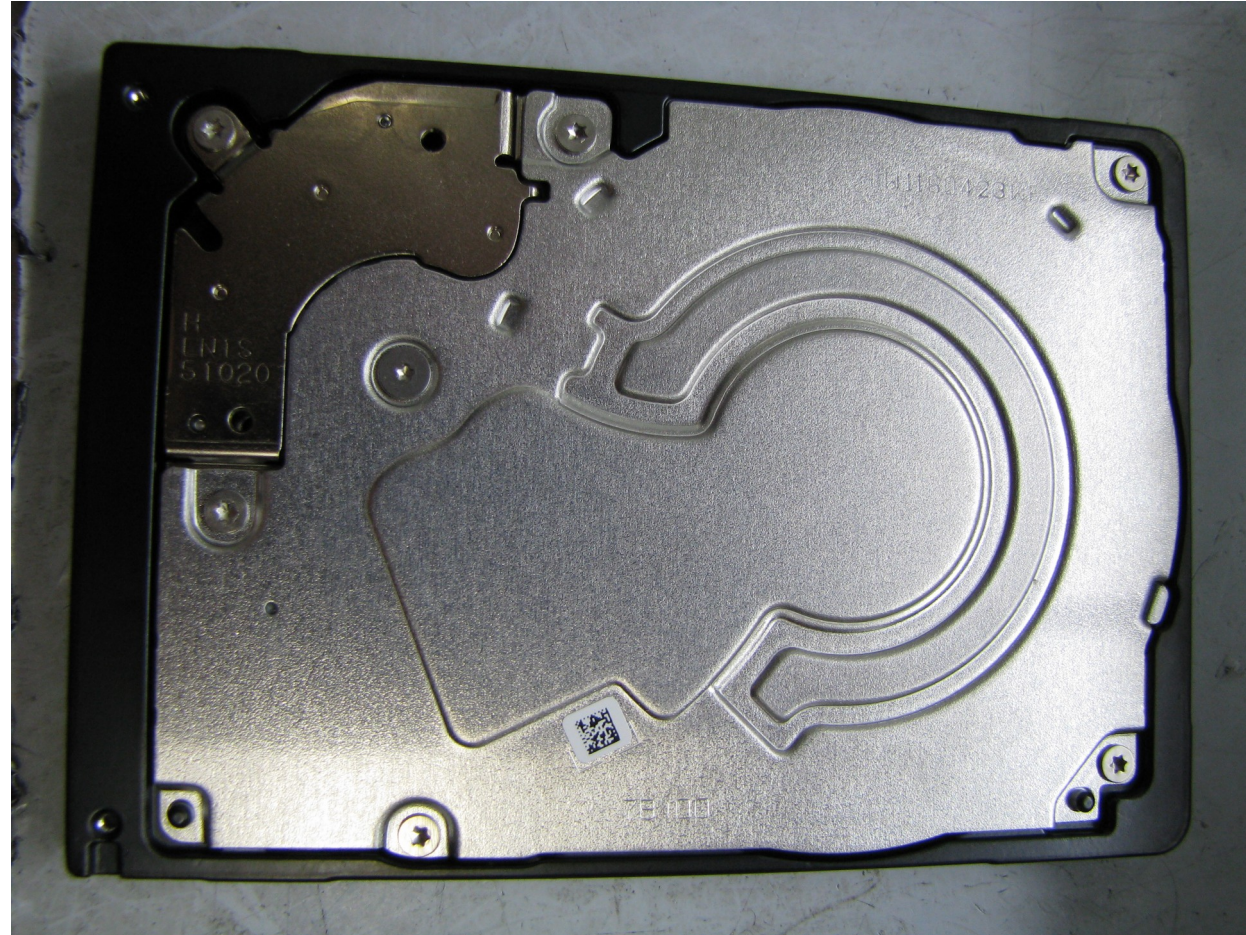
ST1000LX015

ST2000LX001

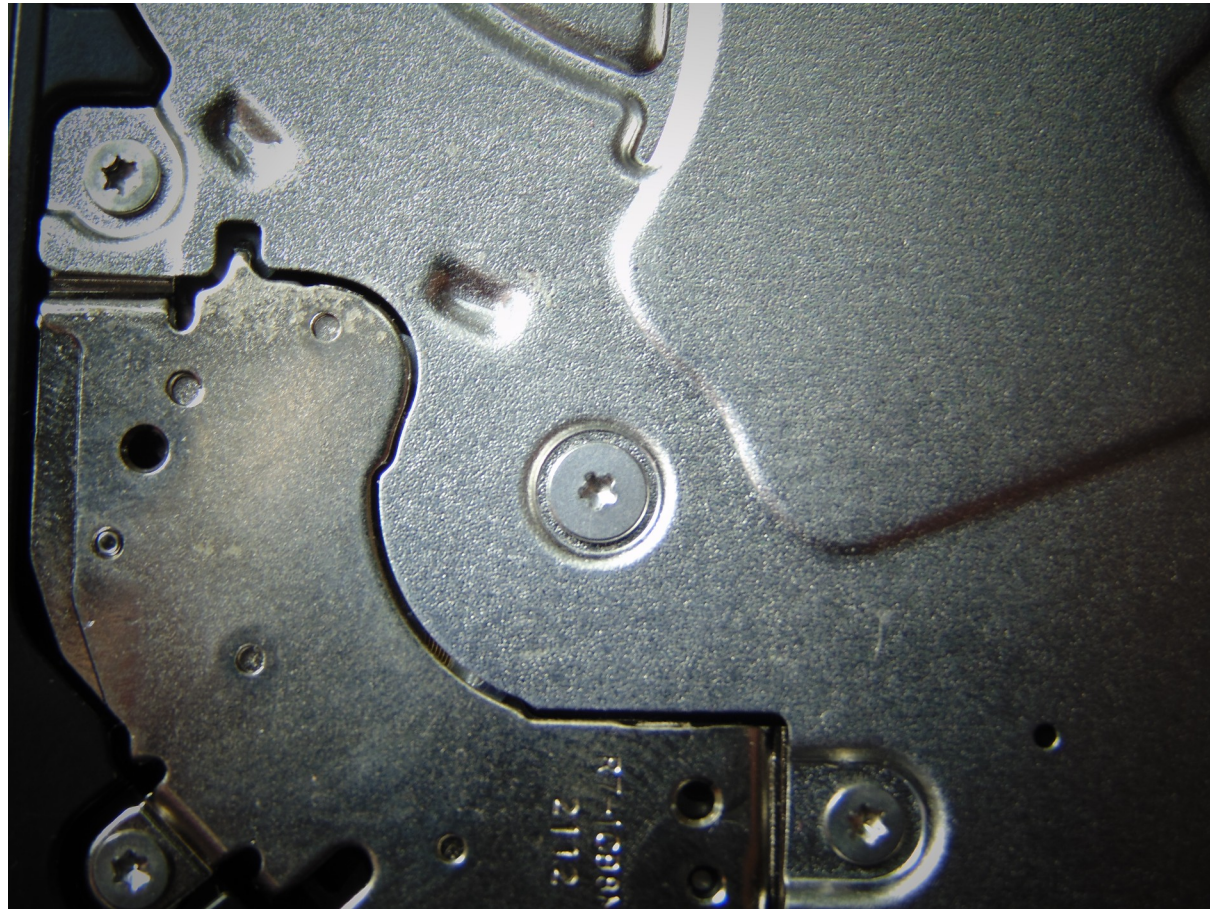
ST2000LX002

ST500LX025

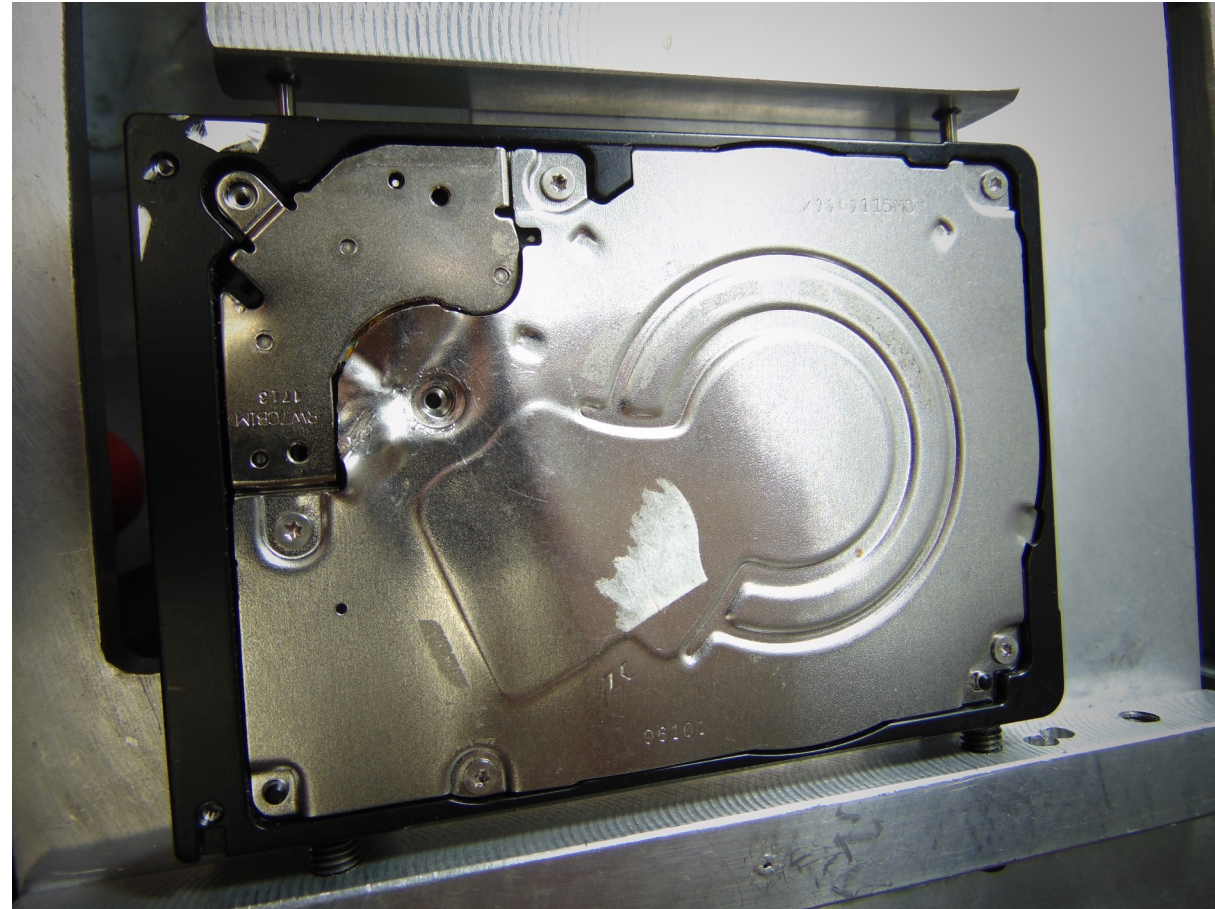
W latach '80 robiono to lepiej:



Šrubka!



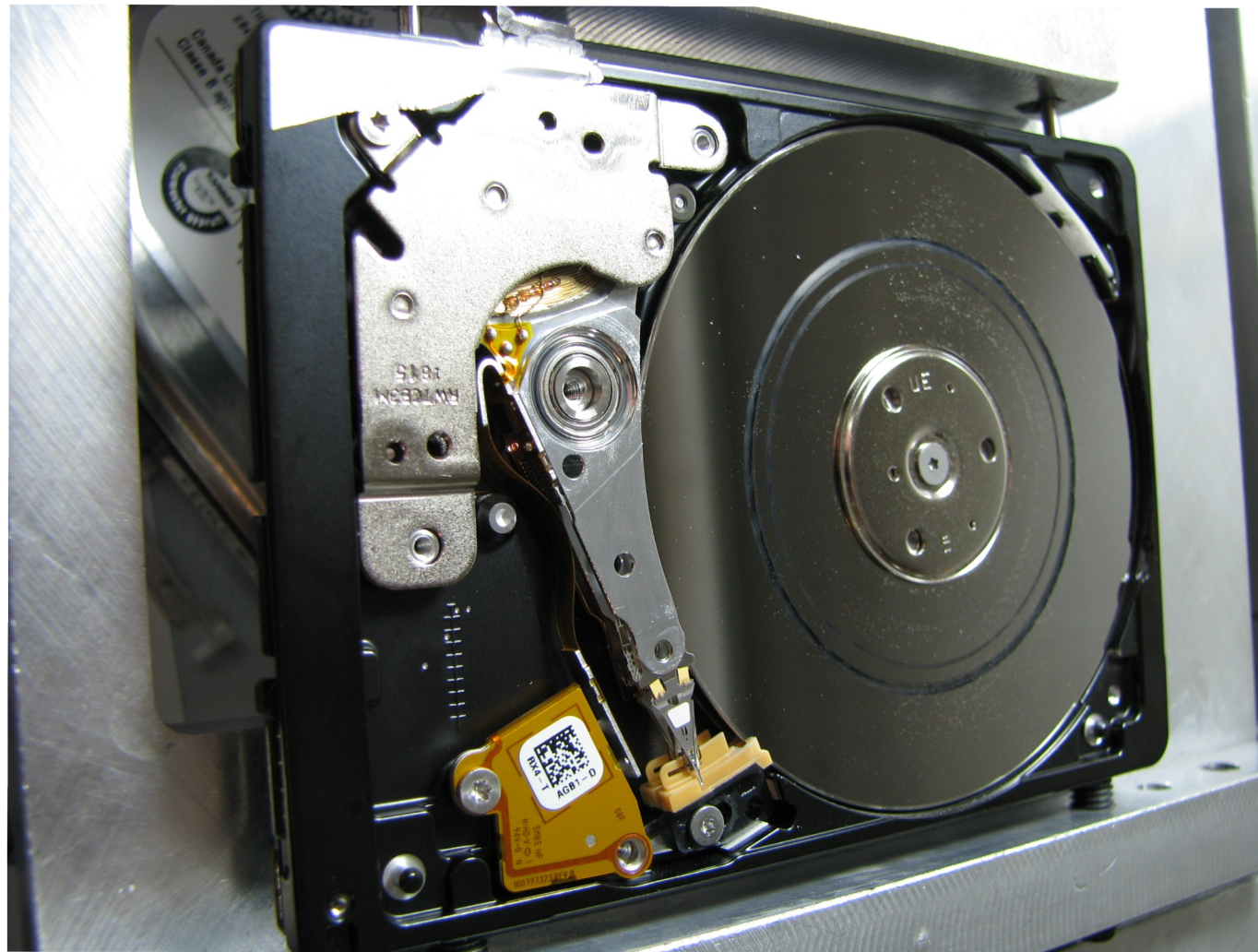
Ups!



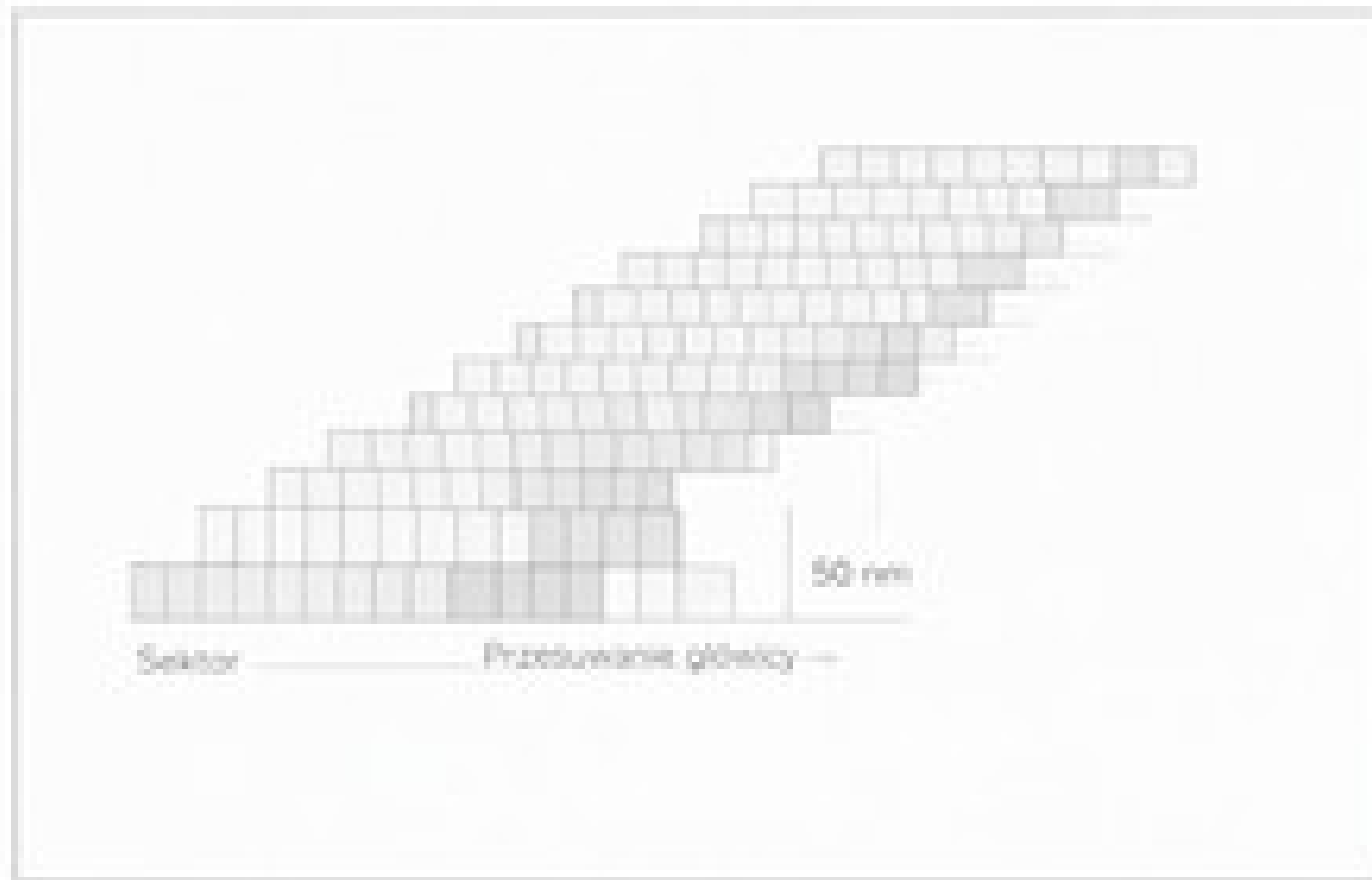
Wymiana głowic



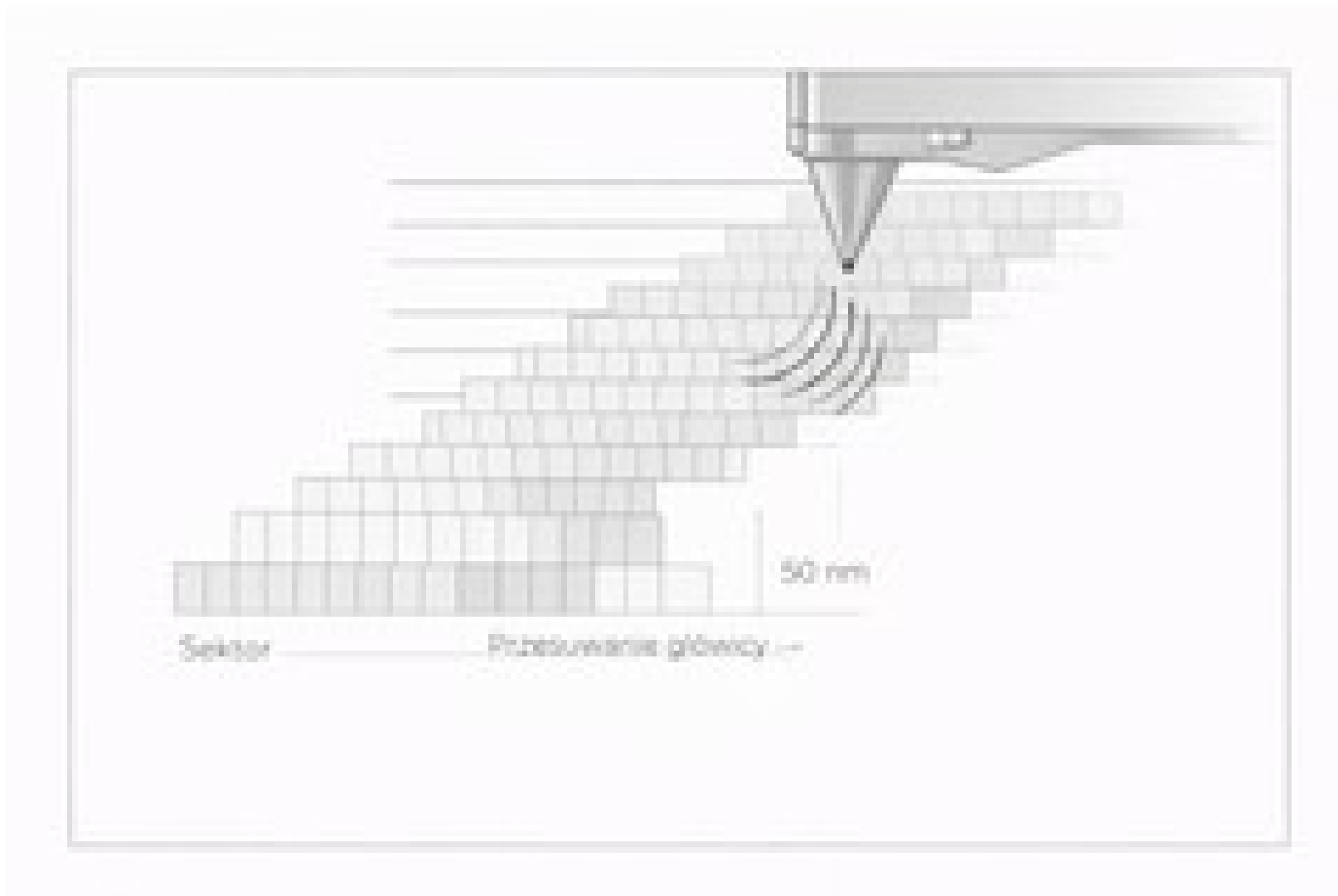
Porysujemy?



SMR



SMR



MCMT

DMDE 4.2.0 (2024) Free Edition x64

Dysk Narzędzia Okna Edytor Tryb Edycja Pomoc

Img - 8.10 MB - FC3B1348.rpm

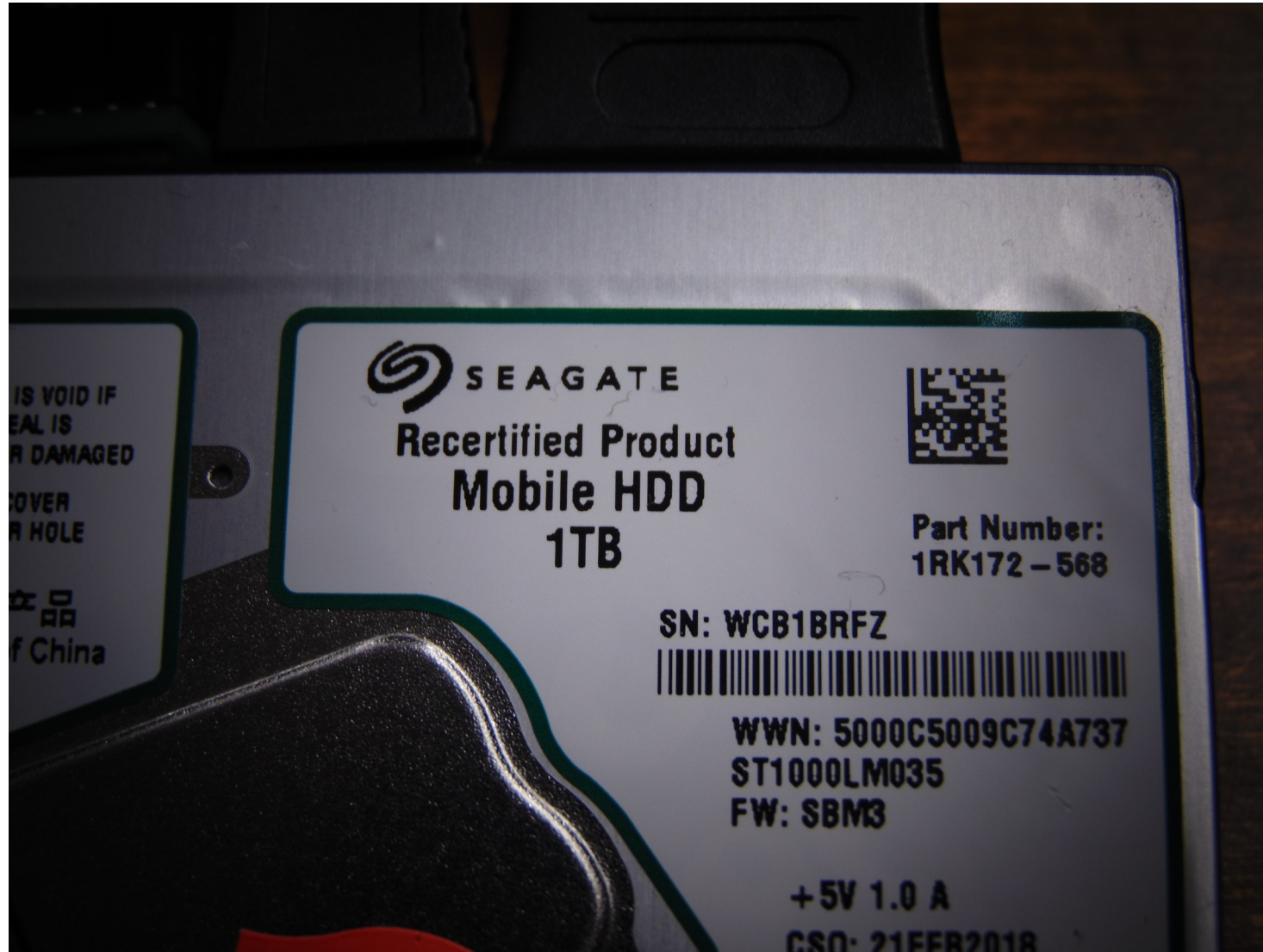
Sektory 0 - 15 815 - Image - 8.10 MB - E:\FC3B1348.rpm

```
LBA:0          blok: 0
000000: 3A DC 9F A7 FB E7 2D 65 86 14 F0 1B 27 A1 C4 00  Ÿššŭç-et.đ.'^Ä.
000010: 19 B5 1F 00 00 00 00 00 00 00 00 00 A9 0C F0 3F  .µ.....@.đ?
000020: 47 33 C5 32 50 19 00 00 C0 00 00 00 2A 00 4D 54  G3Ĺ2P...Ř...*.MT
000030: 50 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  P.....
000040: 00 54 C6 81 E0 72 63 81 03 00 00 00 08 00 00 00  .TĆ frc .....
000050: 01 00 00 00 4C 02 00 00 15 00 00 00 02 00 00 00  ....L.....
000060: 39 00 00 00 C4 0A 00 00 03 00 00 00 07 00 00 00  9...Ä.....
000070: 04 00 00 00 04 00 00 00 01 00 00 00 05 00 00 00  .....
000080: 05 00 00 00 01 00 00 00 06 00 00 00 06 00 00 00  .....
000090: 01 00 00 00 07 00 00 00 07 00 00 00 01 00 00 00  .....
0000a0: 5F 3C 01 00 05 17 03 00 51 19 00 00 00 00 00 00  <.....Q.....
0000b0: 00 00 00 00 00 00 00 00 00 00 00 00 1B 0E 00 00  .....
0000c0: 73 8A 00 00 4F 15 00 00 00 00 00 00 00 00 00 00  sŠ..O.....
0000d0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....
0000e0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....
0000f0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....
000100: C0 EE 7F 08 00 3F 52 02 08 00 08 00 88 43 C2 02  Ri0...?R.... CÄ.
000110: B1 A0 02 00 01 3F 82 02 A0 06 00 00 00 00 00 00  ±...?;. ....
000120: 68 DF CD 07 00 97 6E 00 08 00 08 00 60 83 01 00  hBÍ...-n....`..
000130: 36 A4 02 00 01 FE 05 00 D7 92 02 00 00 00 00 00  6H...t.x?.....
000140: 60 20 13 0C 00 A1 9B 01 80 00 08 00 88 F2 FE 00  `...`>.€... ñt.
000150: 0E 94 02 00 01 EC 57 01 01 47 02 00 00 00 00 00  ."....ěW..G.....
000160: F8 AA E9 0E 00 DF B2 02 28 00 08 00 78 FA F6 02  řŠé..ß..(..xúó.
000170: CE B0 00 00 01 64 00 00 02 9C 02 00 00 00 00 00  ĩ°...d...ś.....
000180: E8 A9 C6 08 00 83 2D 02 08 00 08 00 F8 CC 03 00  čoč...-....řĚ..
000190: 65 95 01 00 01 05 17 03 83 2D 02 00 00 00 00 00  e*.....-.....
0001a0: 98 A7 EB 0D 00 E5 01 01 08 00 08 00 40 BC A2 00  šě..Í.....@L".
0001b0: CA 4A 00 00 01 7E EA 01 75 88 00 00 00 00 00 00  EĴ...~e.u .....
0001c0: 80 62 9D 15 00 0B C0 00 18 00 08 00 E8 E4 F2 00  €bt...Ř.....čāñ.
0001d0: 0B 89 00 00 01 44 BA 01 AE E2 01 00 00 00 00 00  .ž...Dš.ªā.....
0001e0: 48 D7 85 0B 00 C7 39 02 08 00 08 00 68 A4 02 00  Hx...Č9.....hM..
0001f0: 1D 7A 00 00 01 05 17 03 C7 39 02 00 00 00 00 00  .z.....Č9.....
LBA:1          blok: 1
000200: 38 07 7D 08 00 A6 C4 01 18 00 08 00 D8 6F 03 00  8.}....|Ä.....Řo..
000210: BA 01 01 00 01 8F 4A 00 38 54 02 00 00 00 00 00  š....ŽĴ.;T.....
000220: 60 F6 7F 08 00 99 E2 01 08 00 08 00 88 31 9A 00  `ò...™ā.....1š.
000230: E5 34 00 00 01 67 6B 01 99 E2 01 00 00 00 00 00  I4...gk.™ā.....
000240: B0 E8 CD 07 00 BC 59 00 08 00 08 00 A0 D9 01 00  °čř..LY.....Ů..
ANSI (58 ;+58)          LBA: 0x00000000 = 0 Pos: 0x0000 = 0          0x000000000000 = 0
```

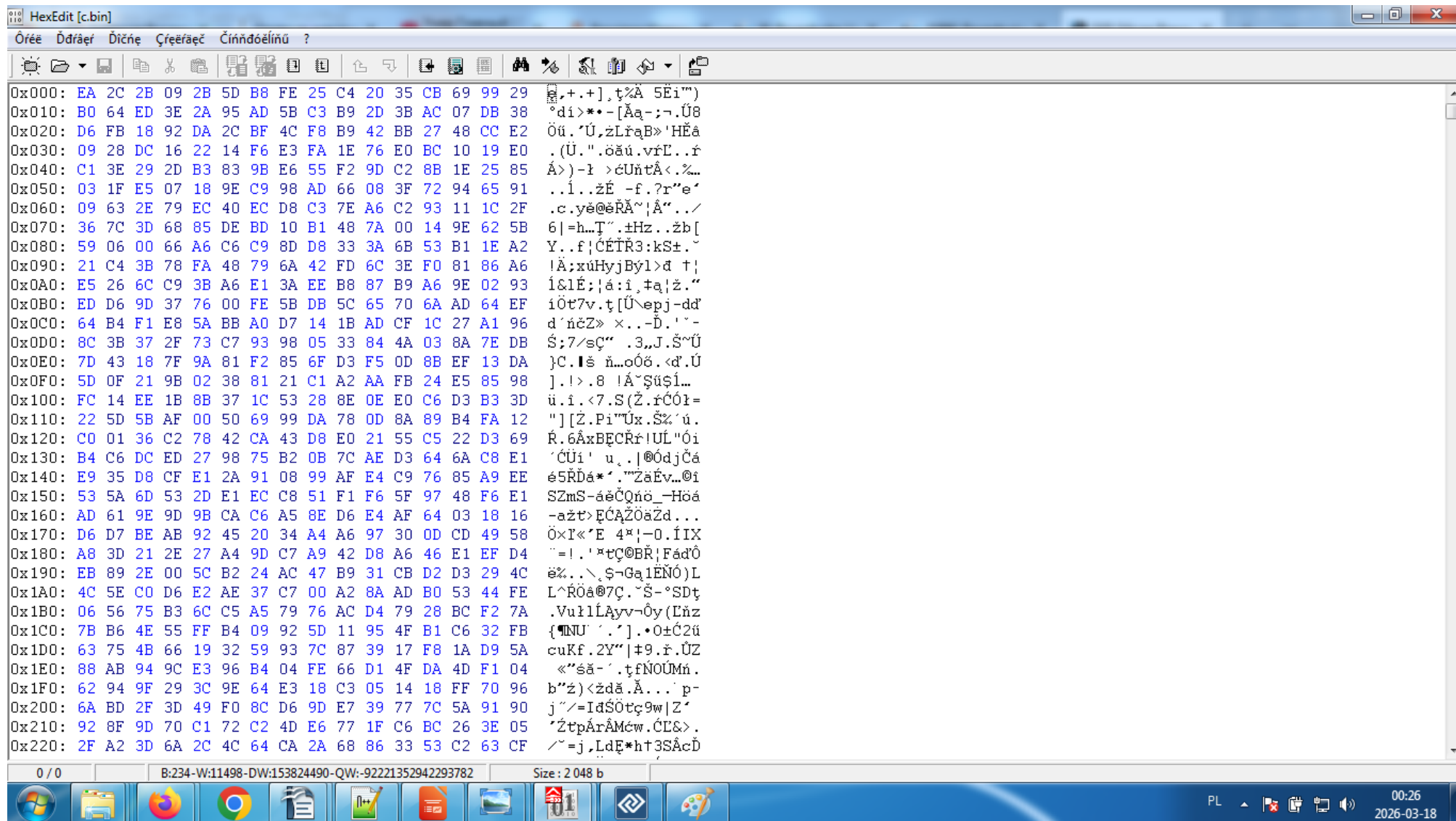
[Ctrl+P] Partycje [Ctrl+W] Zamknij [F10] Menu

PL 00:18 2026-03-18

Nowości z Allegro



Szyfrowanie



Feedback

Zeskanuj kod i zostaw
swoją opinię



Bierzemy rozwód z Rosewoodem

Paweł Kaczmarzyk

<https://warszawskiedniinformatyki.pl/user.html#!/lecture/WDI26-b83e/rate>

Dziękuję za oglądanie!

Pamiętaj, aby zostawić swoje pytania i oceń prezentację w poniższej sekcji.



Prelekcja wybrana w wyniku selekcji przez Radę Programową złożoną z uznanych liderów obszaru IT oraz Data Science.

Warszawa,
19.03.2026 - 20.03.2026



OFICJALNA PRELEKCJA WARSAW IT DAYS

**.AC.ACADEMIC
P.ARTNERS**