

IT @ CAMK in 2025 and 2026

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CAMK PAN



What happened in 2025?

Warsaw

- Replaced the secondary projector in the lecture hall for improved picture quality.
- Improved storage capacity on the **chuck** cluster (+ 110 TB).
- Deployed EZD RP system (Electronic Document Management).

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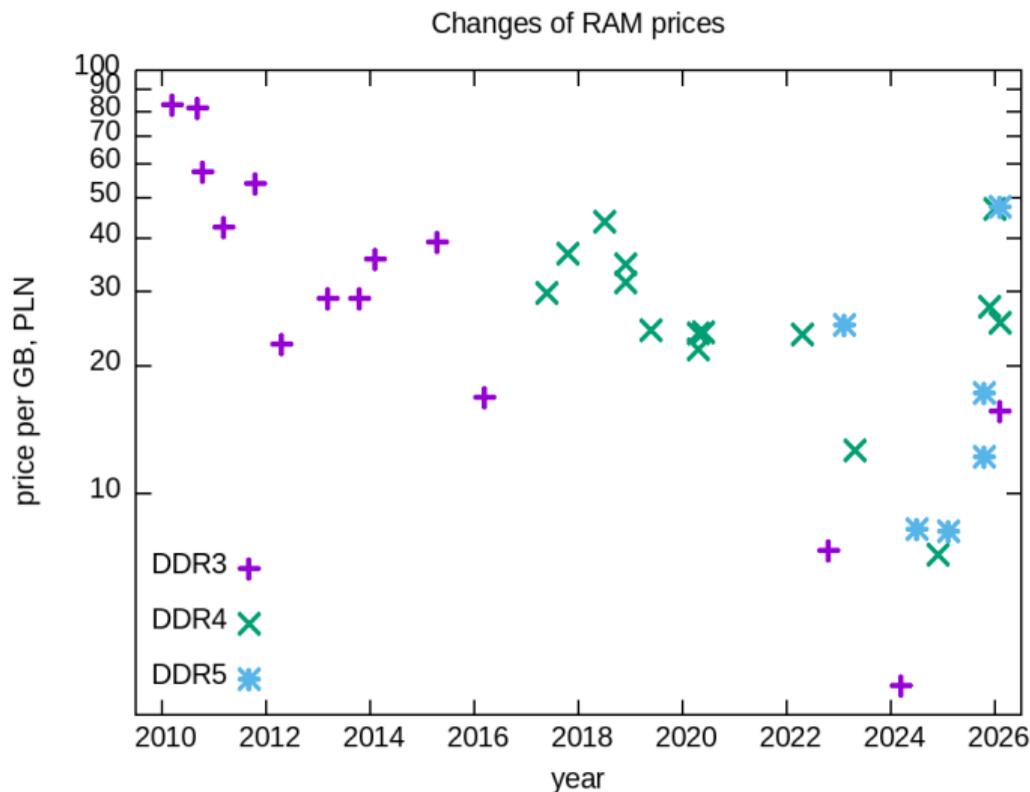
- Replaced the secondary projector in the lecture hall for improved picture quality.
- Improved storage capacity on the chuck cluster (+ 110 TB).
- Deployed EZD RP system (Electronic Document Management).

Toruń

- Commissioned 2 new servers.
- FreeIPA nearly everywhere.
- Single Sign On (SSO) implemented using Keycloak/oauth2-proxy.
- New authorization mechanisms for NFS, POSTFIX, DOVECOT, SAMBA, OWNCLOUD, ROUNDcube, GITLAB, XWIKI.

Plans and challenges for 2026

- Keep the smooth operation of the entire CAMK IT infrastructure **despite current prices of computer parts, especially server stuff.**
- Refresh our web pages.
- Enlarge storage on the **chuck** cluster.
- Prepare new room for meetings (in collaboration with administration).



Publishing software produced at CAMK

We need to create a clear policy for publishing software developed at CAMK on our `gitlab` to avoid legal issues. By default all repositories are **private**. When you want to publish your code, please consider:

- Don't publish dead or empty repositories.
- Always include an explicit license (e.g., MIT, GPL).
Without one, legal risks and ambiguities arise.
- Publishing software requires formal approval from the Director due to legal, IP, and commercialization considerations.

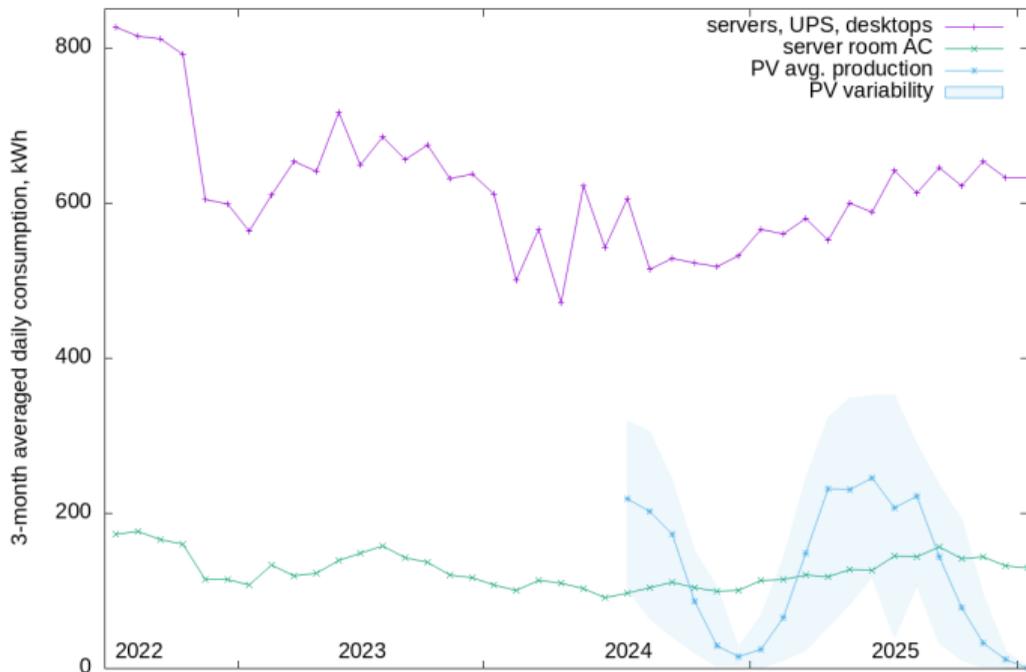
Current software liability laws are ambiguous – we must minimize CAMK's legal exposure.

Optimizing our electrical power consumption

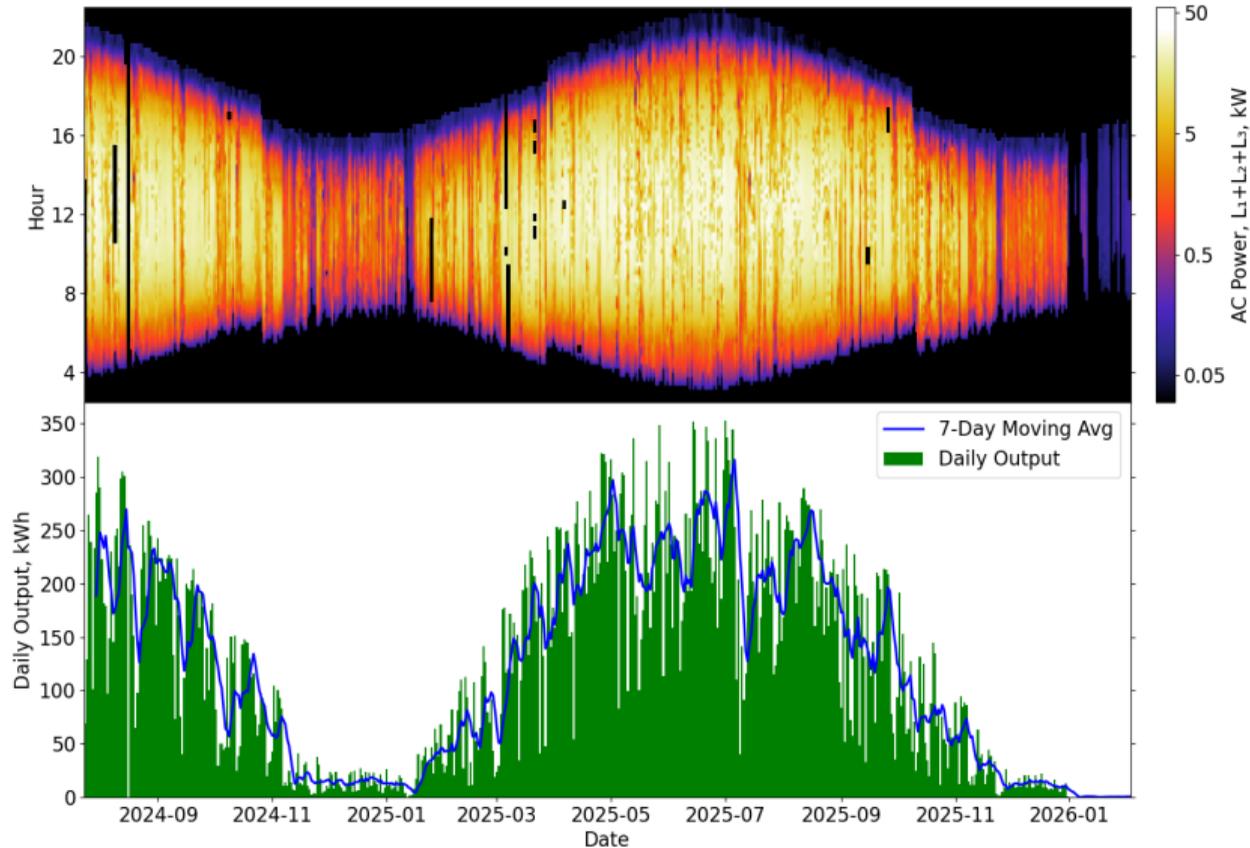
- In 2025 CAMK consumed **327 MWh** from the grid and produced **50 MWh** via PV panels (excludes Astronika, Orange, and canteen).
- Cluster, servers, network, desktops: **230 MWh**, AC in server room: **50 MWh**.

Estimated savings:
~60 MWh per year

- We replace old, inefficient devices with modern ones when possible.
- We dynamically suspend idle cluster nodes.
- We power off idle desktops when possible (exceptions are allowed).



„Solarigraphy” – PV panels performance



Contributing to the IT infrastructure

If you expect unspent grant money, please notify us early – a public procurement process may yield better value. We can use:

- **Monitors** and peripherals for comfortable work,
- Network and server parts for upgrades (like 16+ TB HDDs for disk arrays).

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The **chuck** cluster is built almost entirely from grant funds. Please consider your contribution when applying for grants.

- Typical computing node (platform + 2 CPU + RAM + IB, **no GPU**) costs ~50k PLN.
- GPU accelerators differ greatly in capabilities, compatibility, and prices.
- **Prices of some components (RAM, NVMe) skyrocketed recently.**
Most likely this is due to AI hype.

Please always consult your planned purchases with us. Paweł Ciecieląg knows best what is needed to keep **chuck** useful.

Warnings

Don't resend spam!

Just ask us for a check when you got something suspicious.

Beware of phishing

- **AI can be better at writing convincing e-mails than average human.**
- Always check full e-mail address of the sender.
- Be careful with URLs pointing outside of `camk.edu.pl`.
- **Do not** follow any links from suspicious e-mails.
- **Do not** click any buttons there. Especially on your mobile devices.

We will never ask for your password for account updates or maintenance.

Don't buy domains on your own!

If you need a domain for your project, just ask us. We can propose an appropriate address within CAMK's domain.

<https://www.camk.edu.pl/en/intranet/emails-lists/>

adm@camk.edu.pl

- General issues with computers or network.
Also domains and software maintenance.

webmaster@camk.edu.pl

- CAMK WWW pages.

cluster@camk.edu.pl

- The **chuck** cluster.

dwp@camk.edu.pl

- Project Support Department.

ezd@camk.edu.pl

- Electronic Document Management issues.

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