

Status of Lithuanian industry and innovation activities at CERN 2021-2022



Eglė MARKEVIČIŪTĖ

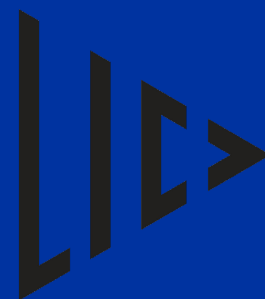
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LITHUANIAN
INNOVATION
CENTRE

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Director

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Adomas JELINSKAS

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Industrial Liaison Office

LT Industrial Return:

2018: 59 k€
2019: 120 k€
2020: 420 k€
2021: 111 k€
2022: 208 k€

LT Personnel Salary:

2018: 177 k€
2019: 540 k€
2020: 769 k€
2021: 1004 k€
2022: 922 k€

Companies Registered on Supplier database: (Nov 22)

2018: 7
2019: 23
2020: 53
2021: 65
2022: 73

Companies doing business with CERN: (Cumulative)

2018: 7
2019: 14
2020: 15
2021: 16
2022: 22



Lithuanian Companies at CERN

Lasers, optics,
optomechanics



Mechanical engineering



Electronics
Assembly and ICT



Networking events 2022

CERN meets Baltic industry (virtual)

8 Lithuanian, 6 Estonian and 6 Latvian companies video-conferenced with CERN on 25-29 April 2022.

Baltic Industry Days @ CERN

5 Lithuanian, 7 Estonian and 5 Latvian companies visited CERN on 12-13 September 2022.

CERN meets Baltic industry (virtual)

25 Apr 2022, 08:00 → 29 Apr 2022, 19:30 Europe/Riga

Adomas Jelinskas, Daniel Schoerling (CERN), Lauma Muizniece, Robert Aare, Toms Torims (Riga)

Description



CERN meets Baltic industry



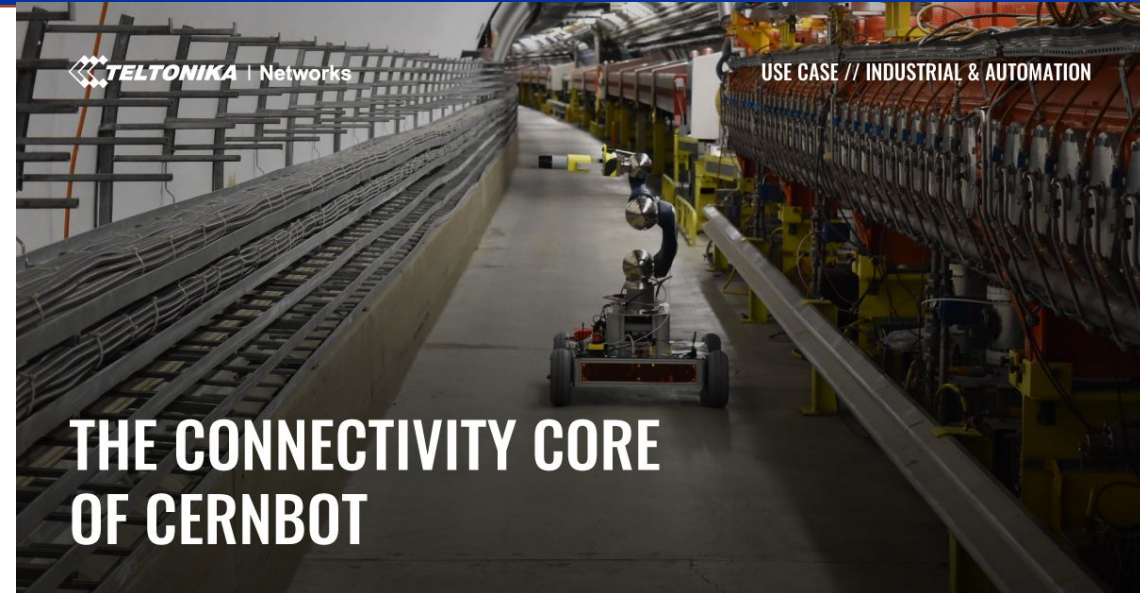
New Success story



Teltonika Networks

CERNbot and **TIM** use Teltonika Networks routers for wireless connectivity.

<https://teltonika-networks.com/about-us/connectivity-devices-for-cerns-particle-physics-research/>



CERN BIC in Lithuania



BUSINESS INCUBATION CENTRE

- 3rd call has been opened for applications since October 2022.
- 3 Alumni startups from 2020.
- 1 enrolled startup from 2021.

- 2 grants for startups ensured annually according to Action Plan.
- KT is planning to modify BIC rules: move to CERN Venture Connect

CERN BIC in Lithuania

BUSINESS INCUBATION CENTRE

2021 Startup:



Developing a next-generation screening platform to accelerate new drug discovery.



Featured on CERN KT Highlights and website:
<https://kt.cern/startups/delta-biosciences>

CERN BIC in Lithuania

BUSINESS INCUBATION CENTRE

2020 ALUMNI:



First sales
European funding >100k€

CYBER^{POD}

European funding >100k€

Paulai
TECH

Knowledge Transfer



Knowledge Transfer

- Little progress in KT (besides BIC);
- A couple of interactions between industry and CERN:
 - Teltonika Telemedic and CERN High energy ventilator;
 - Light Conversion and composite materials.
- Innovation Agency will join the effort according to Action Plan.

Knowledge Transfer for Medical Applications

- “Advanced Particle Therapy Center for the Baltic States”, coordinated by CERN Baltic Group, supported by CERN NIMMS (Next Ion Medical Machine Study)
 - draft concept paper stage;
 - discussions with stakeholders.

Benefit for Lithuanian Economy

- Solid base of active companies at CERN;
- Very competitive candidates for CERN recruitment;
- Fantastic industrial return with low value contracts only;
- Possibilities for KT and Innovation are still largely unexplored;
- Results are relevant to future joint projects: Particle Therapy Centre and FCC;
- We acknowledge that economic benefit is the main reason for full membership.

Thank You



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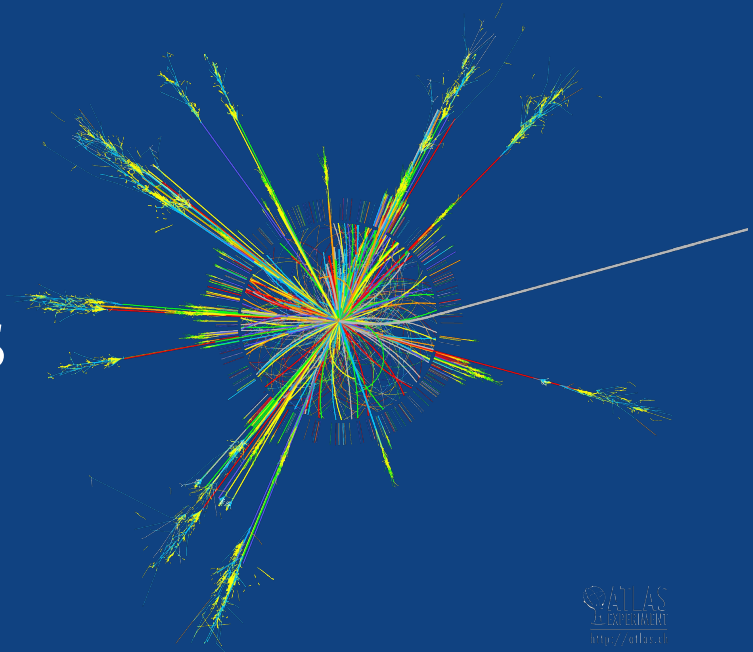
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CERN-Lithuania Joint Committee, Vilnius, 2022 11 24