HOT news

Keeping our partners **up to date.**

Edition 1 (15) 2024

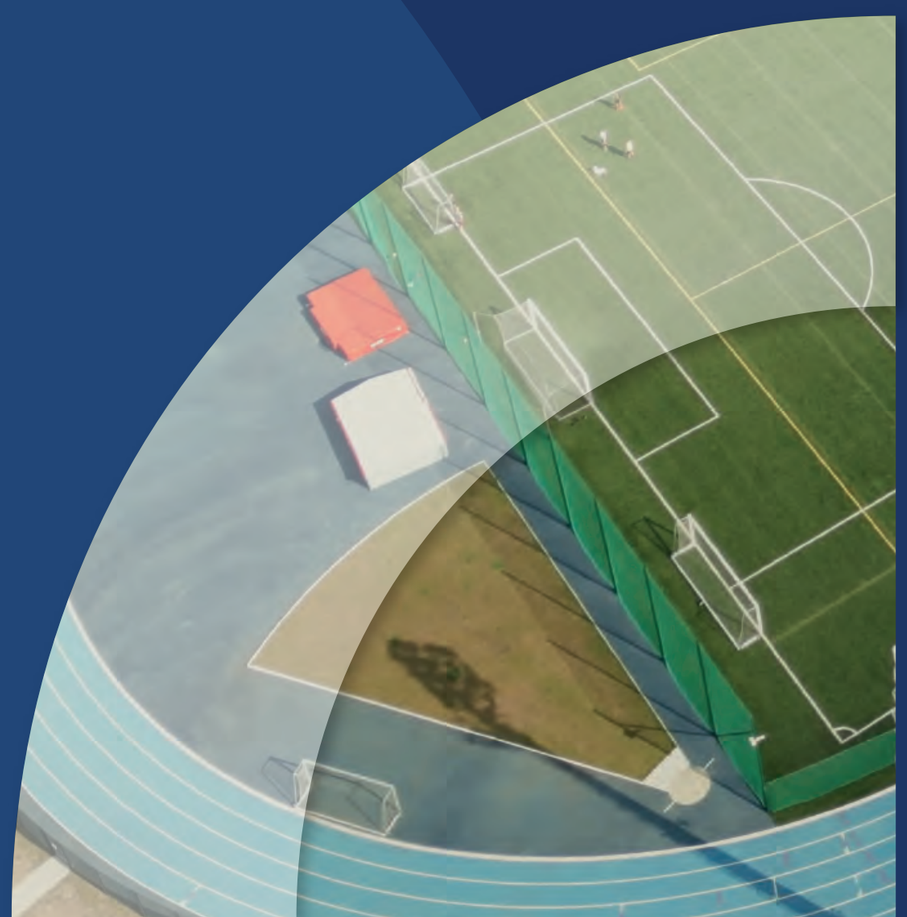
NEW DIRECTION:
Football pitches turf heating.

ELEKTRA
ELR30 WiFi
TEMPERATURE CONTROLLER

ELEKTRA
VCD & VCDR
NEW BRAIDING

BUSINESS GAZELLES – Puls Biznesu

ELEKTRA is once again among the exclusive group of laureates of the ranking by the "Puls Biznesu".



elektra.eu

NEW DIRECTION:

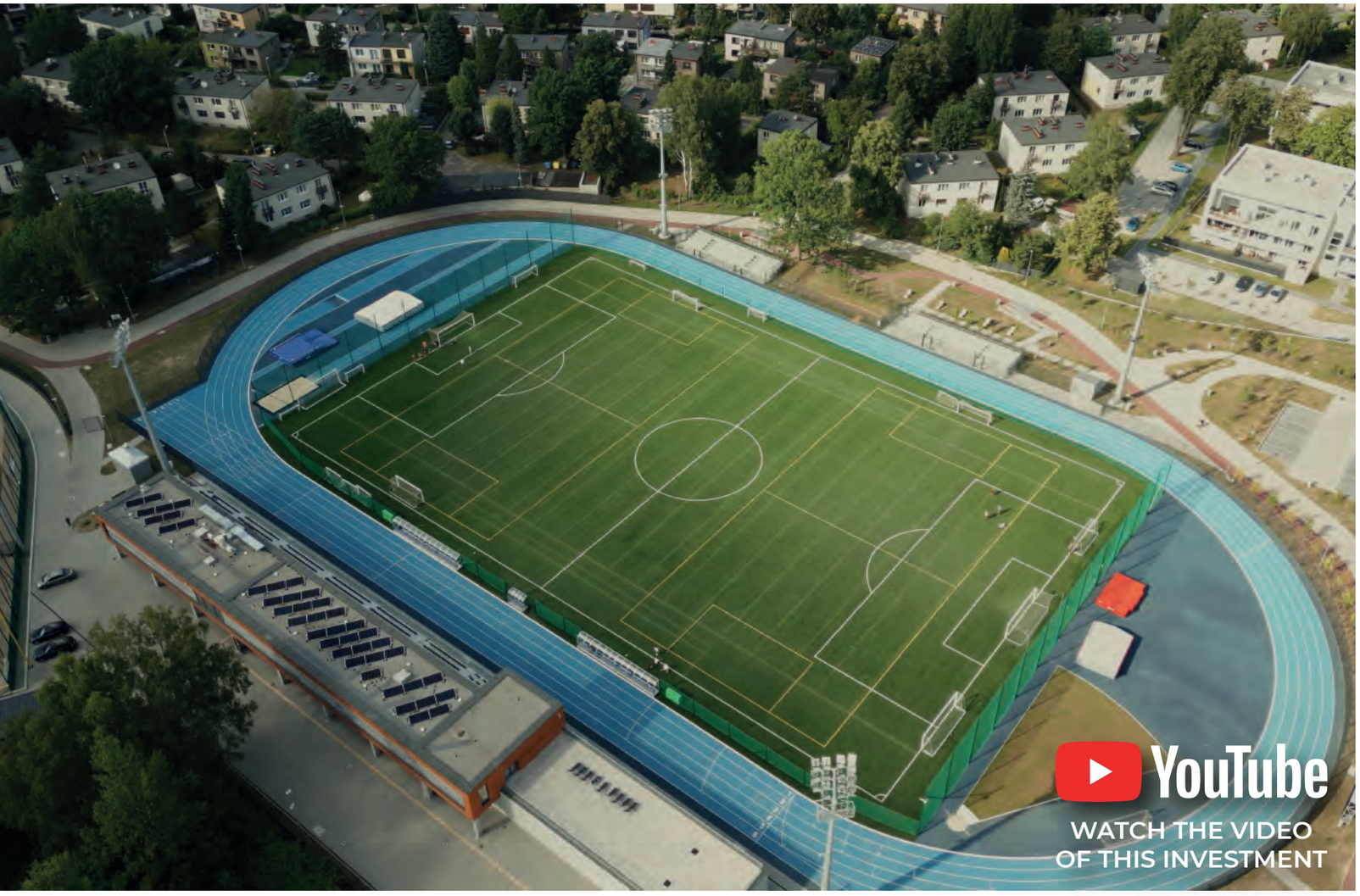
Football piches turf heating.

Football season can last all year long. The solution is simple: electric football pitch turf heating.

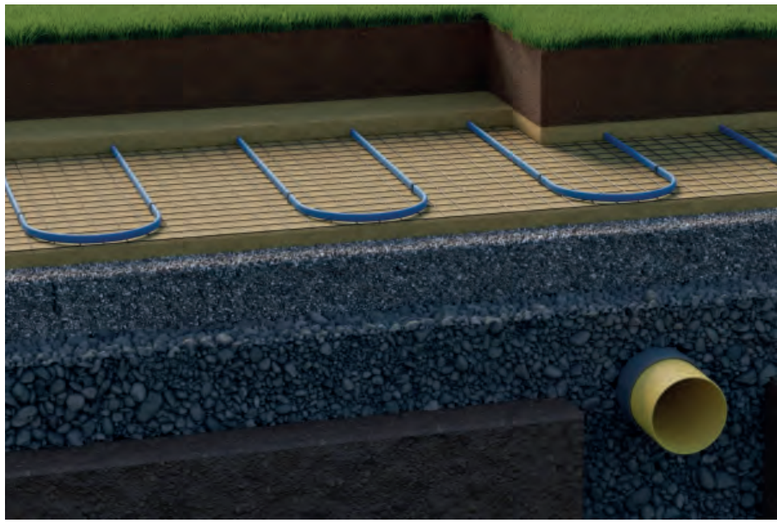
In the recent months, ELEKTRA has proudly added two such investments to our portfolio, both in Poland: SKRA municipal football stadium in Częstochowa, as well as MOSiR urban sports and recreation center in Katowice.

Since June 2021, when Skra Częstochowa football team advanced to Fortuna 1 league, the team was not able to play at their own home stadium.
Why? The facility did not comply with the license requirements, and so the footballers needed to play at other fields, in other locations.

In the season of 2022/2023, the Częstochowa football stadium underwent thorough modernization, which comprised, i.a., replacement of the old surface for a new synthetic turf one, as well as development of an electric heating system serving the pitch's area – for which 187 ELEKTRA VCD 17/3700 heating cables (heating circuits) were used (230 V, 212 m long). The football stadium was returned to operation in the spring of 2023.



MOSiR KATOWICE



Press materials.

SKRA

municipal football stadium in Częstochowa:

7 490 m² football area + 150 m² x 2 warm up area
40 000 m ELEKTRA VCD heating cables in total
6 heating zones
90 W/m² unit surface heating output
700 kW total heating output

MOSiR

urban sports and recreation center in Katowice:

6 200 m² football area + 250 m² coach area
35 000 m ELEKTRA VCD heating cables in total
5 heating zones
90 W/m² unit surface heating output
770 kW total heating output

In turn, reconstruction of the old Kolejarz stadium in Katowice took 2 years and cost over 10 million €. Today this MOSiR urban sports and recreation center hosts, i.a., a five-lane running track, a multi-purpose handball/basketball court and a full size football pitch with electric turf heating.

To heat the pitch, 400 V ELEKTRA VCD electric heating cables were used. This heating layer was positioned over a drainage layer, at the depth of 20 cm. The entire system is supplied through two electric switchboards located at the edge of the pitch. The total heating output power of the developed system amounts to over 770 kW. A single heating cable has a unit heating output of 22 W/m. The total heating output of a single laid cable is around 6.4 kW. The cables feature a unique design in the form of a hybrid protective shield made of tinned copper wire braiding enriched with monofilament fibers and sheathed with aluminum foil, which gives the cables proper flexibility and mechanical resistance.

The cables were laid along the shorter side of the pitch, with the appropriate distances between them preserved. This arrangement allows to provide the power supply to the system from one side of the pitch. In this case, the heating cables have non-standard power supply conductors, with their lengths adapted to the distance from the power supply points, which reduced the number of connections of the power supply cable route. The system is divided into five sections and controlled through ELEKTRA ETN4 devices, with temperature sensors mounted inside the pitch.

In ELEKTRA we began the year 2024 with a success.

Once again our company qualified for the elite group of winners of the ranking organized by “Puls Biznesu” business daily and Coface business intelligence agency, which – for nearly quarter of a century – has been presenting the most dynamically developing small and medium-sized enterprises.

Business Gazelles 2023 is an enterprise which is effectively managed, skillfully exploits market circumstances, has got a well-recognized brand and demonstrated excellent financial results in 2020-2022.

What is the key to the competitive advantage of such Business Gazelles in the difficult market of today?

“Apart from modern management methods, their advantage is flexibility in operation, stemming from their smaller scale of business activities, as well as the capability to instantly exploit market opportunities and adjust to changing circumstances,” says Patricia Deyna, the President of Bonnier Business Polska, the editor of “Puls Biznesu” business daily, and adds “Today’s Business Gazelles are small or medium-sized enterprises because this was the decision of their owners (...), but the management standards, technological and IT solutions applied by them, certificates featured, etc., in most cases do not differ from those applied by the largest enterprises.”

A KEY TO OUR SUCCESS:
Advance in technology.

Research conducted by our R&D Department have led to implementation of technological innovations into construction design of our flagship heating cables ELEKTRA VCD and VCDR.

Advancement in the field of chemical engineering enable creating and manufacturing materials of increasingly better qualities, which – when put into use – can significantly positively influence the quality, durability and life span of heating cables, which in turn translates into higher comfort of use of heating systems, such as underfloor heating systems and snow, frost and ice protection systems.

Our unique tried-and-tested construction design of the screen of heating cables in the form of tinned copper wire braiding has been enriched with monofilament fibers characterized by increased tensile resistance against high breaking force and abrasion, resistance against high temperatures, increased chemical durability, flexibility, lightness, also being self-extinguishing materials, possible to manufacture from renewables.

Our achievement – a hybrid construction design solution – is the best of both classic and tried and tested copper screen and a new generation polymer. It enriches the ELEKTRA VCD and VCDR cables with new and better qualities, still preserving the screen features surpassing the requirements set by the EN-60228 standard.

ELEKTRA ELR30 WiFi

TEMPERATURE CONTROLLER

Large and easy to use LCD display, attractive modern design, control via an app.

The ELEKTRA ELR30 WiFi temperature controller is intended for flush mounting. It features functionalities of remote WiFi and Bluetooth control, and time and temperature programming for up to four events per day.
Thanks to Tuya Smart and Smart Life two dedicated user friendly apps, controlling ELEKTRA ELR30 WiFi is purely intuitive.
Here's the manufacturer's tip: the most useful functionalities – in our view – are detection of a sudden temperature drop caused by leaving a window open and setting a desired temperature just with one click!
The 65x55 mm large LCD display has got a high contrast, which translates into clear and legible view. The modern attractive design is icing on the cake.

The ELEKTRA ELR30 WiFi is intended for the control of heating systems – and particularly underfloor heating – in a significantly wide range of temperatures.
The controlled can be set up in three variants of temperature measurement: via an air sensor, a floor sensor and simultaneously air and floor sensors where the floor sensor acts as a limiting one.

SPECIAL OFFER

ELEKTRA ELR30 WiFi

is available as a special offer in packs with:

- ELEKTRA WoodTec$_2$™ heating foils
- ELEKTRA MD heating mats

At the same time, our **tried-and-tested ELEKTRA ELR20 packs** are still available!

OUR WAREHOUSE

A new place!

The time has come for changes! ELEKTRA has transferred the warehouse to Pruszków, in the vicinity of our production plant. This facility is a 1624 m² large modern warehouse building, offering storage space for 2 thousand pallets.

Thanks to large glazing, the interior is light and well illuminated, which significantly increases the comfort of operations. The warehouse offers a system for smart energy management, as certified through BREEAM – one of the most worldwide recognizable system for the assessment of sustainability performance of buildings. Our warehouse boasts the BREEAM Excellent certificate.

NEW INVESTMENTS:

TESLA GIGAFACTORY

BERLIN-BRANDENBURG, GERMANY

The first manufacturing facility of Tesla in Europe – at the same time the most technologically advanced, eco-friendly and efficient manufacturing plant of this company in the world.

In Berlin, the products of our company have been used to serve the purposes of heating various pipelines, i.a. process cooling water systems for water chillers, Pluvia roof drainage system pipes, other process and drainage water systems, as well as ice water and heating water systems.

Tesla Gigafactory means:

273 m of SelfTec®PROi LT 10 cables

562 m of SelfTec®PROi LT 20 cables

844 m of SelfTec®PROi MT 30 cables

303 m of SelfTec®PROi MT 40 cables

96 m of SelfTec®PROi MT 50 cables

330 m of SelfTec®PROi MT F 30 cables

285 m of SelfTec®PROi MT F 40 cables

86 m of SelfTec®PROi MT F 50 cables

3879 m in total.

Press materials.

Westfield
HAMBURG, GERMANY

The opening is planned soon for the 14 building, 419 000 m² large multipurpose Westfield Hamburg-Überseequartier complex, featuring commercial-entertainment center, as well as office and hotel areas.

This whole complex is structured over an underground area of 2 and 3 floors deep. During construction work, ELEKTRA solutions were used for the roof, garages and common areas.

The following ELEKTRA heating cables were used:

SelfTec®PROi LT 10

SelfTec®PROi MT 30

SelfTec®PROi MT F 40

In total: ~9 km

Total number of heating circuits: ~550 pcs

Total heating output of the system: ~150 kW

Press materials.

Press materials.

PIORUNÓW, POLAND

This huge, over 68 000 m² large warehouse in the vicinity of Warsaw, is already the 13. logistics center of Lidl, and – at the same time – one of the most modern facility of its kind in the company's portfolio in Europe.

In this investment, our products have been used for the purposes of heating:
- pillars in the freezing chamber,
- doorways of cooling chambers,
- access ramps to coolers,
- areas in front of cooling chamber doors.

The following ELEKTRA products have been used:

SelfTec®16 heating cables

SelfTec®PRO 20 heating cables

SnowTec® 300 heating mats

VCD 25 and TuffTec™ heating cables

ETR2G temperature controllers

UNITY
CENTRE

CRACOW, POLAND

Unity Centre high rise building, is the highest building in Cracow – the capital of Małopolska region in Poland.

Its construction started nearly 20 years ago, in 1975, still was put on hold for a long time, the abandoned structure meanwhile gained the popular nickname of “Skeletor”. Now it’s a modern, 26 floor high office and commercial space, of the area of 50 000 m².

ELEKTRA products in Unity Centre Tower:

157 ELEKTRA MD 160 heating mats

83 ELEKTRA MD 200 heating mats

229 ELEKTRA ETV 1991 temperature controllers

Press materials.

TRAM DEPOT

WARSAW, POLAND

One of the most modern tram depots in Europe. Already planned in the 60. of the XXth century, the development of this investment effectively started in 2022 – and now the first test trams have just entered this facility.

The facility covers an area of nearly 12 ha, has got over 16 km of rails and is equipped with 100 tram crossovers. 152 tram cars will be serviced there. ELEKTRA products have been used for the purposes of protecting hydrant pipes and rain drainage.

ELEKTRA products used:

500 m of SelfTec®PRO 10 heating cables

2000 m of SelfTec®PRO 20 heating cables

600 m of SelfTec®PRO 33 heating cables

80 pcs. of supports for electric boxes

160 pcs. of EC-PRO connection and termination kits

500 pcs. of PG-TAPE self-adhesive installation tape

Press materials.

Pinea Resort & Apartments recreation and leisure complex, in Pobierowo. This sea-front located resort comprises three buildings connected via green yards.

The complex hosts an apartment building, condo-hotel with a spa, and the Hilton hotel with a roof pool. Our products have been used for the purposes of heating bathroom areas.

In 300 rooms the following products were used:

ELEKTRA MD 160 heating mats

ELEKTRA ELR20 temperature controllers

PINEA

RESORT & APARTMENTS

POBIEROWO, POLAND

Press materials.

ELEKTRA®

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