



**We create
space for
innovation**



TTC GROUP
2022 / 2023

TTC GROUP THROUGH THE EYES OF AI

Artificial intelligence is a big topic in our Group's business, too. It gives us new opportunities and shows potential in a number of areas. It is fascinating how it is increasingly becoming an integral part of our lives and our future.

2022 was a breakthrough year for the development of artificial intelligence. It is also for this reason that we have chosen the use of AI as the theme for our company profile. We instructed it to prepare the artwork for this material. And now you are holding in your hands original works inspired by our business and created in the style of 20th century Czech art.

[COVER, LAYOUT,
DATA, INFORMATION,
LIGHT, BACKGROUND,
DIRECTION, PART OF
WHOLE, DARK BLUE]

CONTENT

5 Foreword

6 TTC group

7 Group management

8 Group profile

9 Selected economic indicators

10 Group history

12 Group Social Responsibility

13 Selected companies of the TTC group

14 Companies' management

16 4eggs

17 ANETE

18 ApS BRNO

19 AWOS

20 TTC CONTROLS

21 TTC MARCONI

22 TTC NOVIQ

23 TTC TELEKOMUNIKACE

24 TTC TELEPORT

25 TTC TELSYS

26 TTC REAL ESTATE

28 TTC ATRIUM

29 New companies in the Group 2023

30 Companies' management

31 Mycroft Mind

32 TTC apki

33 TTC MOBILE

An abstract digital graphic featuring a complex arrangement of overlapping geometric shapes. The primary colors are vibrant red, deep blue, and bright white, set against a dark, almost black background. The shapes include circles, squares, rectangles, and lines, some of which are semi-transparent, creating a layered, three-dimensional effect. The overall composition is dense and dynamic, suggesting a high-tech or digital environment.

**WE ARE A CZECH
TECHNOLOGY AND
REAL ESTATE GROUP**

FOREWORD



Esteemed ladies, esteemed gentlemen,

You are receiving an abridged version of the annual report of TTC HOLDING for the year 2022, which will be remembered mainly as the year when the conflict in Ukraine was unleashed. A conflict that has brought much suffering and pain to the people of that country. A conflict that has significantly affected the lives of the families of our close associates from TTC MARCONI in Kiev. A conflict that has changed the world around us and reminded us once again how important it is to protect and strengthen the values on which our European culture is based. The full impact of the changes brought about by this war is not yet visible today. Yet it is already clear that it will affect everyday life and business for a long time to come, not only in Ukraine but also in our entire region.

I am pleased that we were able to meet all the main planned economic targets in 2022, despite a number of complications related to the geopolitical situation, the breakdown of supply chains and the rapid rise in energy prices. TTC HOLDING's total turnover reached 1.6 CZK billion and consolidated EBITDA reached 270 CZK million, an increase of almost 10% year-on-year. The situation in Ukraine led us to a strategic decision to exit the Russian market in 2022. Until then, it had been one of our largest export areas. We have therefore also turned our attention to new markets, particularly in Asia and Eastern Europe, and I am very pleased that we are doing well in these markets.

Last year, TTC CONTROLS established business partnerships in India and Turkey and TTC MARCONI won new contracts in Romania, Turkmenistan and Uganda in Africa. I also consider it important that we continue to successfully develop our activities in our traditional markets such as Slovakia and Germany.

The year 2022 was also a significant milestone for our activities in the energy and rail sectors.

The consortium of companies led by TTC MARCONI continued to implement the project to modernize 20,000 transform stations of CEZ Distribuce, collect measured data from these stations, transfer them to data storage and then analytically process them. At the beginning of the year, we also established a subsidiary, TTC NOVIQ, which focuses on creating products and building complex solutions in the decentralized energy environment. Following on from these activities in the energy sector, a competence centre focused on predictive diagnostics and maintenance in rail transport was also established within the TTC Group.

2022 was a very busy year for TTC TELEPORT. The lingering effects of the COVID-19 pandemic and the skyrocketing and volatile energy prices have had a significant impact on our colocation services. I am all the more pleased that despite these adverse developments, the overall occupancy of TTC TELEPORT's data centers continued to grow. By switching to spot pricing, we were able to minimize the impact of rising energy prices on our customers and achieved savings in electricity purchases.

The Group's manufacturing companies, especially AWOS in Pardubice, performed very well. The decision to strengthen domestic capacity for electronic equipment manufacturing within the TTC Group proved to be the right one. We are confident that the trend of increasing safety in this area by moving production back to Europe will continue and we will be able to meet the growing demand. In 2022, we successfully completed the process of integrating our new companies ANETE and ApS Brno into the TTC Group, thereby strengthening our position in the application software market. Our real estate division also did well. The total occupancy of leased space exceeded 95 percent. The preparation of our largest real estate project, the construction of the Oxyma technology centre in Malešice in Prague, also continued successfully. Its completion is scheduled for late 2025 or early 2026.

I would also like to thank all those who contributed to the success of this challenging year, especially our employees, business partners and customers.

I am proud that the TTC remains a stable and strong technology and real estate group in the current challenging period.



Ing. Josef Šelepa, CSc.

Chairman of the Board of Directors and Managing Director of TTC HOLDING, a.s.



TTC GROUP

GROUP MANAGEMENT



Ing. Josef Šelepa, CSc.

Chairman of the Board of Directors and Managing Director of TTC HOLDING, a.s.



Ing. Jan Kuchař

Vice-Chairman of the Board of Directors TTC HOLDING, a.s.



Ing. Martin Kubín

Member of the Board of Directors and Chief Executive Officer of TTC HOLDING, a.s.



Ing. Luboš Müller, MBA

Member of the Board of Directors and Director of Business Development for Advanced Technologies of TTC HOLDING, a.s.



Ing. Ivan Strouhal

Director of Real Estate Business Development of TTC HOLDING, a.s.



Ing. Martin Sobota

Director for Financial Investments of TTC HOLDING, a.s.



Ing. Ivana Cvejnová

Human Resources Director of TTC HOLDING, a.s.



Petr Stoklasa

Director of Marketing and Communications of TTC HOLDING, a.s.



Mgr. Ivana Řeháčková

Head of Legal Department of TTC HOLDING, a.s.

GROUP PROFILE

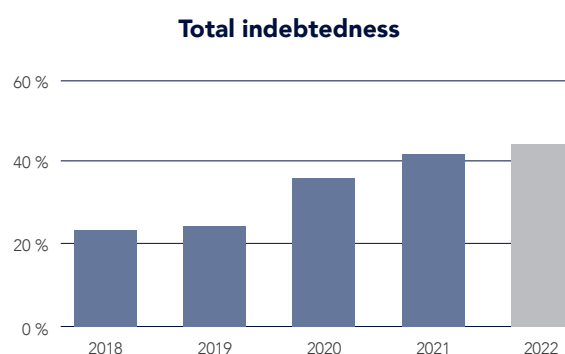
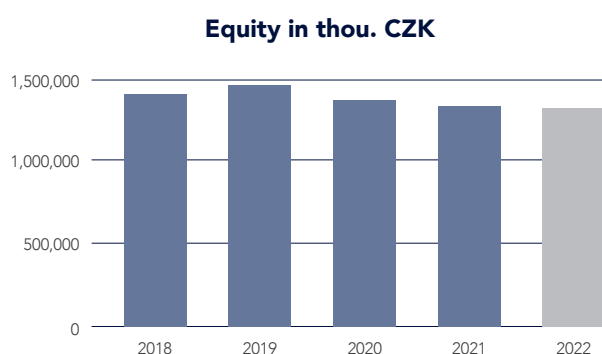
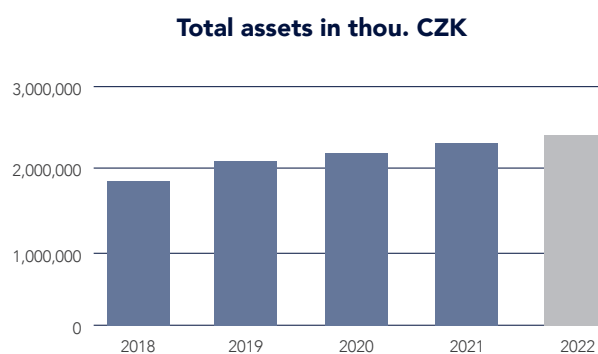
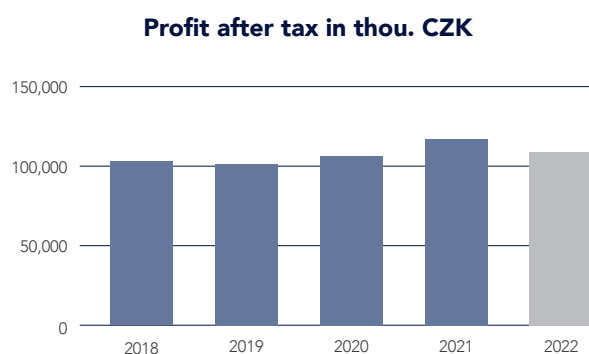
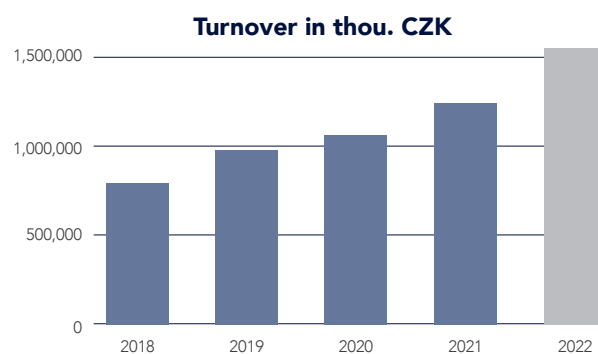
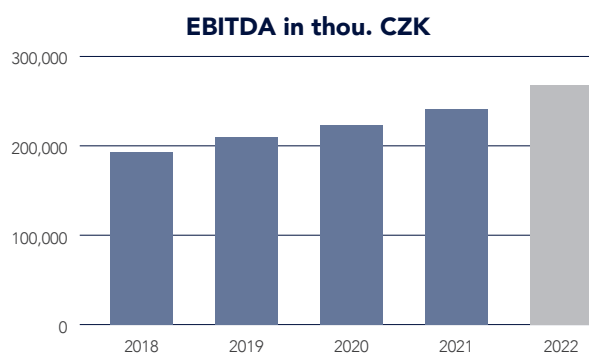
TTC Group is a purely Czech technology and real estate group. In 2022, the group consisted of 28 companies based in the Czech Republic, Slovakia and Ukraine, with customers in 34 countries. In 2022, the TTC Group achieved a consolidated turnover of 1.6 billion CZK and 368 employees worked in the Group's companies at the end of the year. The Group is under the umbrella of TTC HOLDING, a.s., which directly or through its subsidiaries holds equity interests in individual companies.

Description of TTC HOLDING, a.s.

Date of incorporation	23. 05. 2007
Registered office	Třebohostická 987/5, 100 00 Praha 10 – Strašnice
Company Identification No.	27887464
Registered capital	2 400 000 CZK

SELECTED ECONOMIC INDICATORS

	2018	2019	2020	2021	2022
EBITDA	194,001	205,159	227,712	248,497	270,526
Turnover	781,751	990,668	1,019,661	1,222,694	1,599,579
Profit after tax	103,085	101,281	106,647	116,965	108,151
Total assets	1,859,359	2,016,059	2,185,741	2,314,058	2,378,659
Equity	1,403,731	1,494,863	1,368,264	1,343,744	1,306,505
Total indebtedness	24 %	26 %	37 %	41 %	44 %



These are consolidated figures which are net of the one-off exceptional impact in 2019 related to the sale of the business and the costs associated with this sale. Profit after tax is before amortisation of consolidation differences, equity is inclusive of equity under common control. The figures are presented in thousands of CZK.

TTC GROUP HISTORY

1992

Privatization of the Telecommunications Research Institute by its management and establishment of TESLA TELEKOMUNIKACE (today's TTC TELEKOMUNIKACE)

1993

establishment of TTC MARCONI as a joint venture of TESLA TELEKOMUNIKACE and Italian MARCONI.

1996

Purchase of the Prague TELLUS premises

2000

Acquisition of FOR-TEL (today's TTC TELSIS)
Purchase of Prague TTC TECHKOM CENTRUM premises

2001

TTC TELEKOMUNIKACE starts operation of the DC1 Tiskařská data centre under the brand name TTC TELEPORT

2002

Establishment of TTC Správa nemovitostí, (today's TTC REAL ESTATE) and the start of a professional real estate business

2004

Establishment of TTC MARCONI subsidiary in Slovakia

2005

Establishment of TTC MARCONI subsidiary in Russia

2006

Takeover of the Italian company MARCONI by the ERICSSON group, which thus becomes a co-owner of TTC MARCONI Purchase of the film studios in Jinonice, Prague

2007

Establishment of TTC HOLDING

2009

Purchase of the Sazečská premises in Malešice, Prague
Establishment of TTC MARCONI subsidiary in Ukraine

2012

Transfer of data centre operation to TTC TELEPORT

2014

Purchase of shares in TTC MARCONI from the ERICSSON Group

2015

Start of operation of the DC2 data centre in Malešice. Prague Expansion of TTC TELSIS business area by development of on-line applications on TouchGuard platform

2017

Purchase of the Svoboda Press printing plant in Prague and the Atrium Upa Valley (now TTC ATRIUM) in Trutnov

2019

Acquisition of the Slovak company ReFoMa
Sale of the TELLUS premises in Prague

2020

Acquisition of AWOS
Acquisition of the UniControls business and brand

2021

Acquisition of ANETE and ApS Brno Opening of the new production site of TTC TELEKOMUNIKACE
Establishment of 4eggs technology incubator
Establishment of TRE FONTI joint venture by TTC HOLDING and RAYO Group

2022

Establishment of TTC NOVIQ
Termination of TTC MARCONI on the Russian market

2023

Acquisition of the Brno-based software company Mycroft Mind
Establishment of companies TTC MOBILE and TTC apki



GROUP SOCIAL RESPONSIBILITY

The principles of social responsibility have for a long time been one of the fundamental pillars of the corporate culture of the entire TTC Group. We believe that a business that respects the interests of its employees, partners, customers, suppliers and the surrounding community can be successful in the long term. It also contributes to creating and shaping the environment in which we operate. We are convinced that by combining successful business and social responsibility, we can achieve a synergistic effect that benefits not only us and our stakeholders, but also society in general. That is why themes such as philanthropy, responsible business, sustainability, environmental responsibility, volunteering, charity and helping others are an integral part of our companies. All of this is done with great input from our colleagues and with strong support from all the Group's owners.

Charity project "Helping Together"

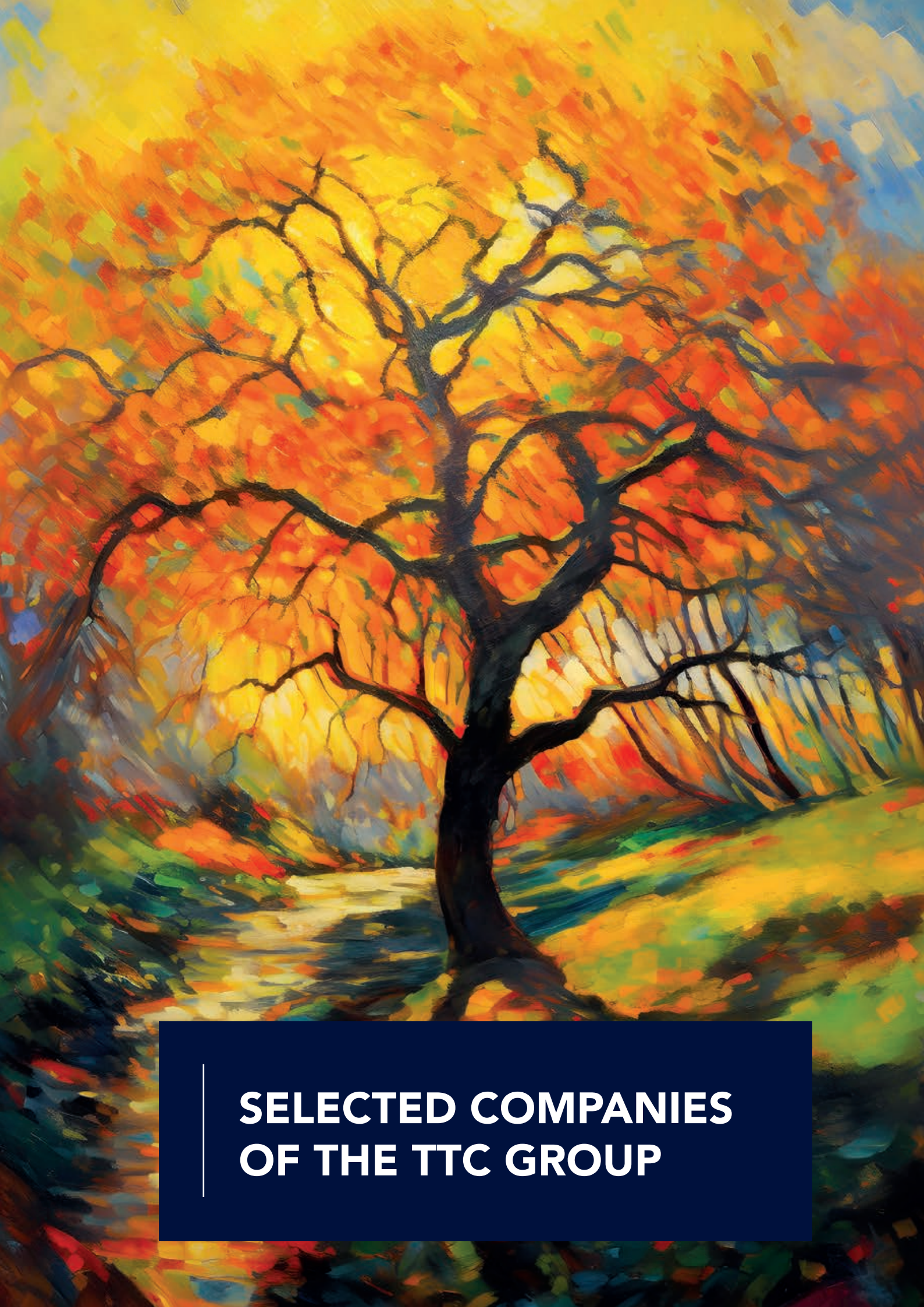
We believe that helping people in need should be seen as a normal part of our lives. That's why two years ago we decided to support the charitable activities of our employees and introduced a new charity programme "Helping Together". It is based on the premise that the particular people working in the particular TTC Group companies themselves know best who in their environment needs help. As part of the programme, TTC contributes to those projects that are directly supported by our employees. In 2022, we collectively managed to support 60 different charitable projects and organizations with a sum of 2,774,109 CZK. 72 colleagues were directly involved in the program, contributing 924,703 CZK to charitable purposes. The TTC Group subsequently contributed 1,849,406 CZK to these projects. In addition to organisations such as People in Need, the Czech Red Cross and Charity of the Czech Republic, funds also went to Médecins Sans Frontières, SOS Children's Villages, disadvantaged and disabled children and specific families in financial difficulties.

www.pomahame-spolecne.cz

The conflict in Ukraine

It is impossible not to mention the conflict in Ukraine. It has directly affected many of our colleagues, collaborators and friends and has also triggered a great wave of solidarity. At the TTC Group, we are proud that, in addition to direct financial support from TTC Group companies, many of our employees immediately got involved in the assistance. Whether it was providing a temporary home the women and children and their extended families, or donating items as part of charity collections or financial support. For this they deserve a huge thank you.





**SELECTED COMPANIES
OF THE TTC GROUP**

COMPANIES' MANAGEMENT

4eggs



Ing. Luboš Müller, MBA
Company Executive

ANETE



Lumír Dokonal
Company Director

ApS Brno



Ing. Radomír Kurečka
Company Executive

AWOS



Ing. Lenka Šírová
General Manager
and Company Executive

TTC CONTROLS



Ing. Michal Brondič
Chief Executive Officer
and Company Executive

TTC MARCONI



Ing. Ondřej Havlík
Chief Executive Officer
and Company Executive

COMPANIES' MANAGEMENT

TTC NOVIQ



Ing. Michal Hátle, CSc.

Director and Company Executive

TTC TELEKOMUNIKACE



Ing. Jan Kuchař

General Manager
and Company Executive

TTC TELEPORT



Radek Majer

General Manager
and Company Executive

TTC TELSIS



Ing. Jakub Laurich, MBA

Chief Executive Officer
and member of the Board
of Directors

TTC REAL ESTATE



Ing. Ivan Strouhal

Chief Executive Officer
and member of the Board
of Directors

TTC ATRIUM



Ing. Josef Křepinský, MBA

Company Executive



4eggs

Technology incubator and accelerator operating in the fields of advanced technology, energy, transport and security. It offers not only finance, but above all broad technological support and know-how from the individual companies of the group for the creation of new, as well as the further development of existing business plans.

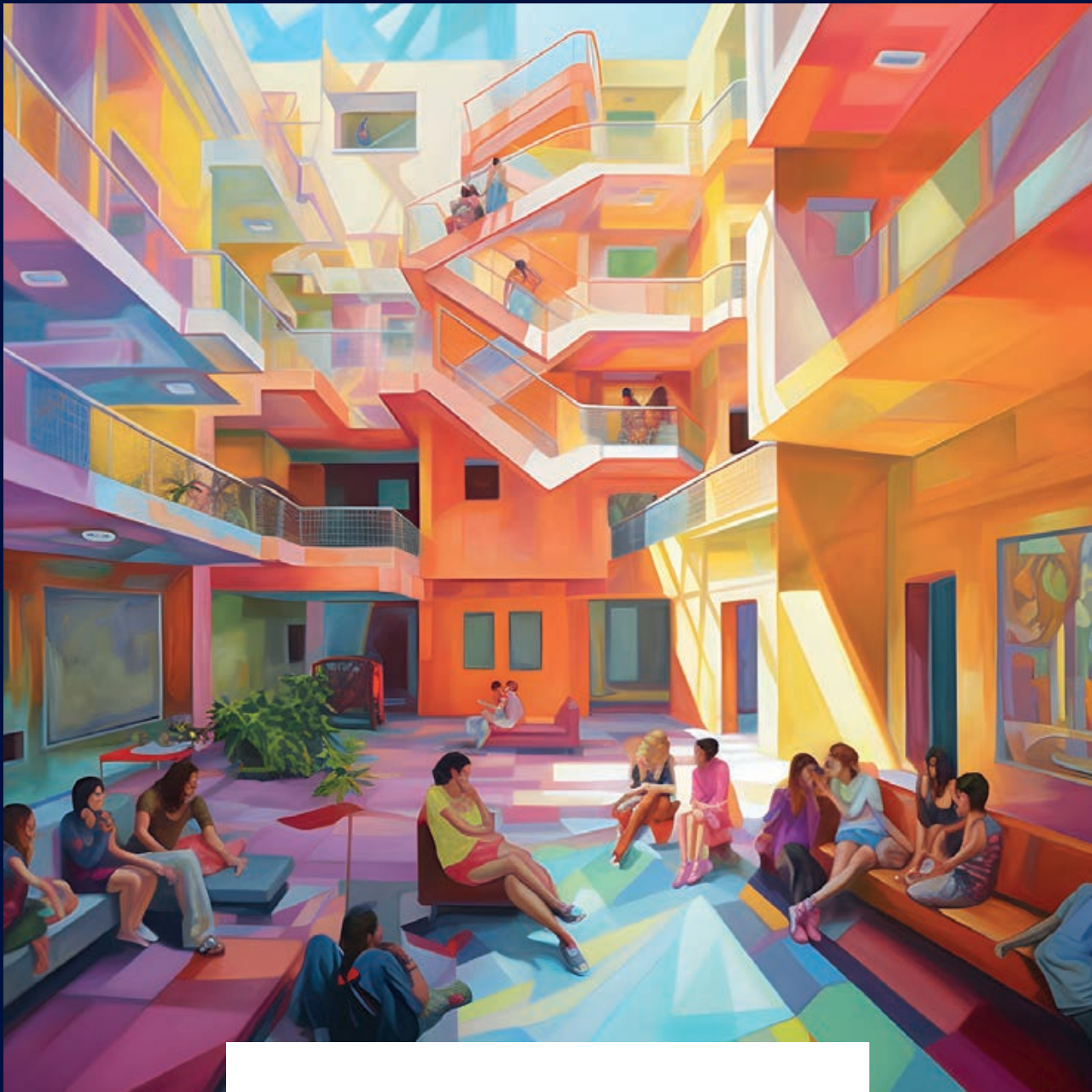
[4, EGGS, IDEA, BACKGROUND, DEVELOPMENT, GOAL, SURREALISM, FRANTISEK JANOUSEK]



ANETE

oOne of the market leaders in the provision of comprehensive services for catering facilities. It focuses on the development of applications and systems that streamline the entire process - from standardization, purchasing of raw materials to dispensing. It develops and operates the **KREDIT** ordering system, the **FirstBuySale®** shopping portal and the **InfoPro®** information system, which are used by more than half a million customers every day.

[PEOPLE, CATERING, TOGETHER, PAINTING ON CANVAS, MODERNITY, IMPRESSIONISM, ANTONIN CHITTUSSI]



ApS Brno

The company's key product is the **ISKAM** information system, which is currently the dominant system in dormitories and canteens in the Czech Republic. Over four million main meals are dispensed and more than 60,000 beds are managed through this system annually. The company also has an audiovisual division that designs and delivers turnkey technical solutions for audiovisual projections.

[YOUNG PEOPLE, STUDY, SHARED HOUSING, SIMPLICITY, PRESENTATION, IMAGINATIVE CUBISM, VACLAV SPALA]



AWOS

The company is one of the largest independent Czech manufacturers of industrial electronics, focusing mainly on electronic equipment for industrial automation and transport. It provides its customers with complete solutions from design and development of hardware and software, through prototyping to serial production and service. Its customers are Czech and foreign companies operating in various industries, including energy, food, telecommunications, defence and healthcare.

[PRODUCTION, INDUSTRY, ELECTRONICS, SOFTWARE, GRAPHICS, GREEN, CUBISM, EMIL FILLA]



TTC CONTROLS

The company specializes in the development, production and installation of control and information systems for railway transport. It is one of the leading suppliers of such equipment not only in our country but also in many other countries. In 2020, it took over the UniControls brand, thereby strengthening its position in the supply of technology for the railway industry.

[DEVELOPMENT, PRODUCTION, INSTALLATION, CONTROL SYSTEM, RAILWAY TRANSPORT, HYPERREALISM, ZDENEK BERAN]



TTC MARCONI

A major and long-standing provider of advanced communications technologies for critical national infrastructure. It develops and delivers communication and security solutions mainly in the energy, transport, public administration, military and emergency services sectors. The company is also active in the development and implementation of smart technologies in the energy and transport sectors.

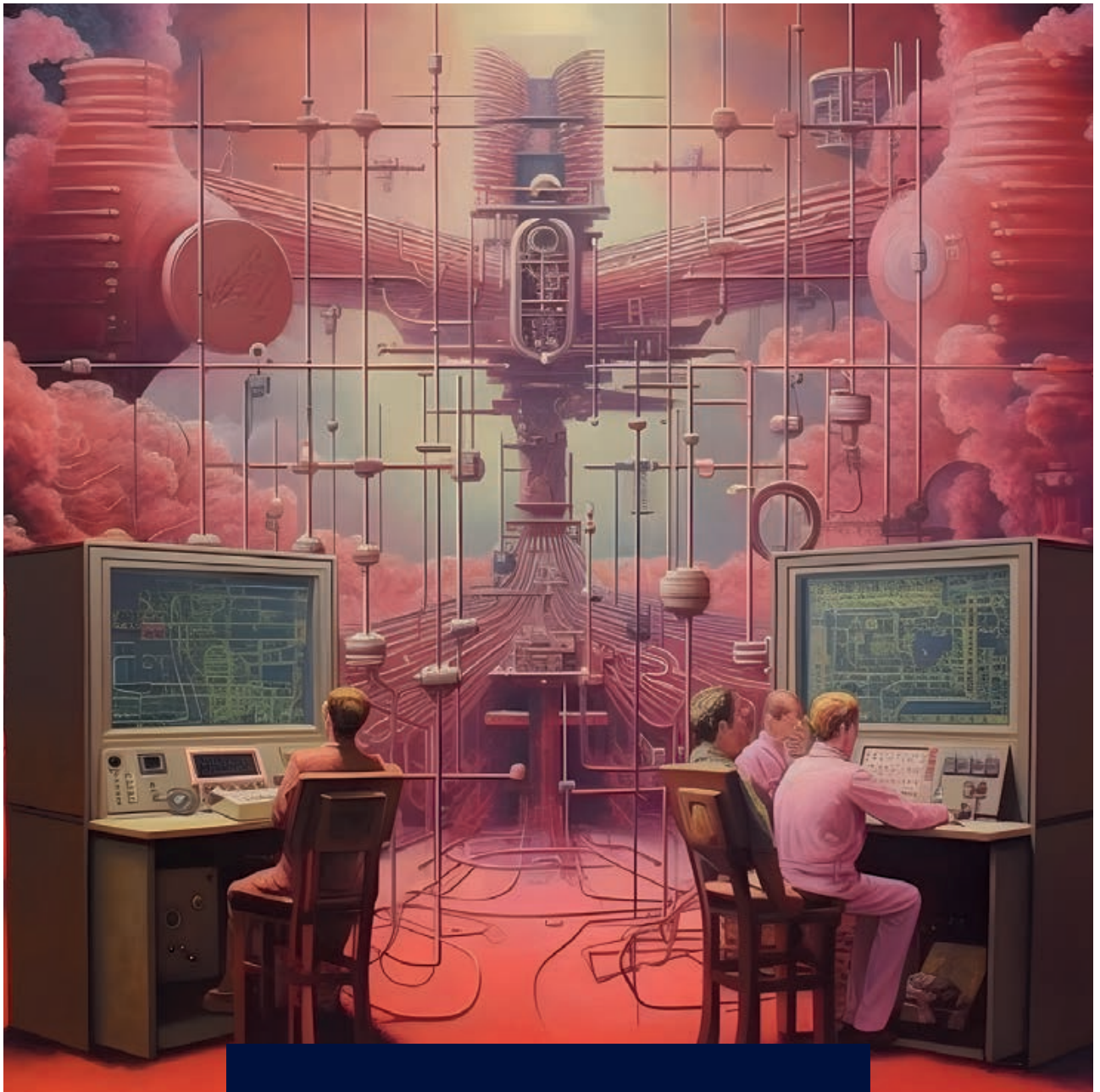
[ENERGY, TRANSMITTER, ELECTRICITY, WORD, RELIABILITY,
STRAIGHTFORWARDNESS, CONNECTION, CUBO-FUTURISM,
BOHUMIL KUBISTA]



TTC NOVIQ

It provides a wide range of consulting services, especially in the area of data analytics. It is also building its own portfolio of products and comprehensive solutions for smart energy and rail transport. A key competitive advantage it holds is the combination of deep knowledge of modern technologies with a very good understanding of the processes and operational know-how in these segments.

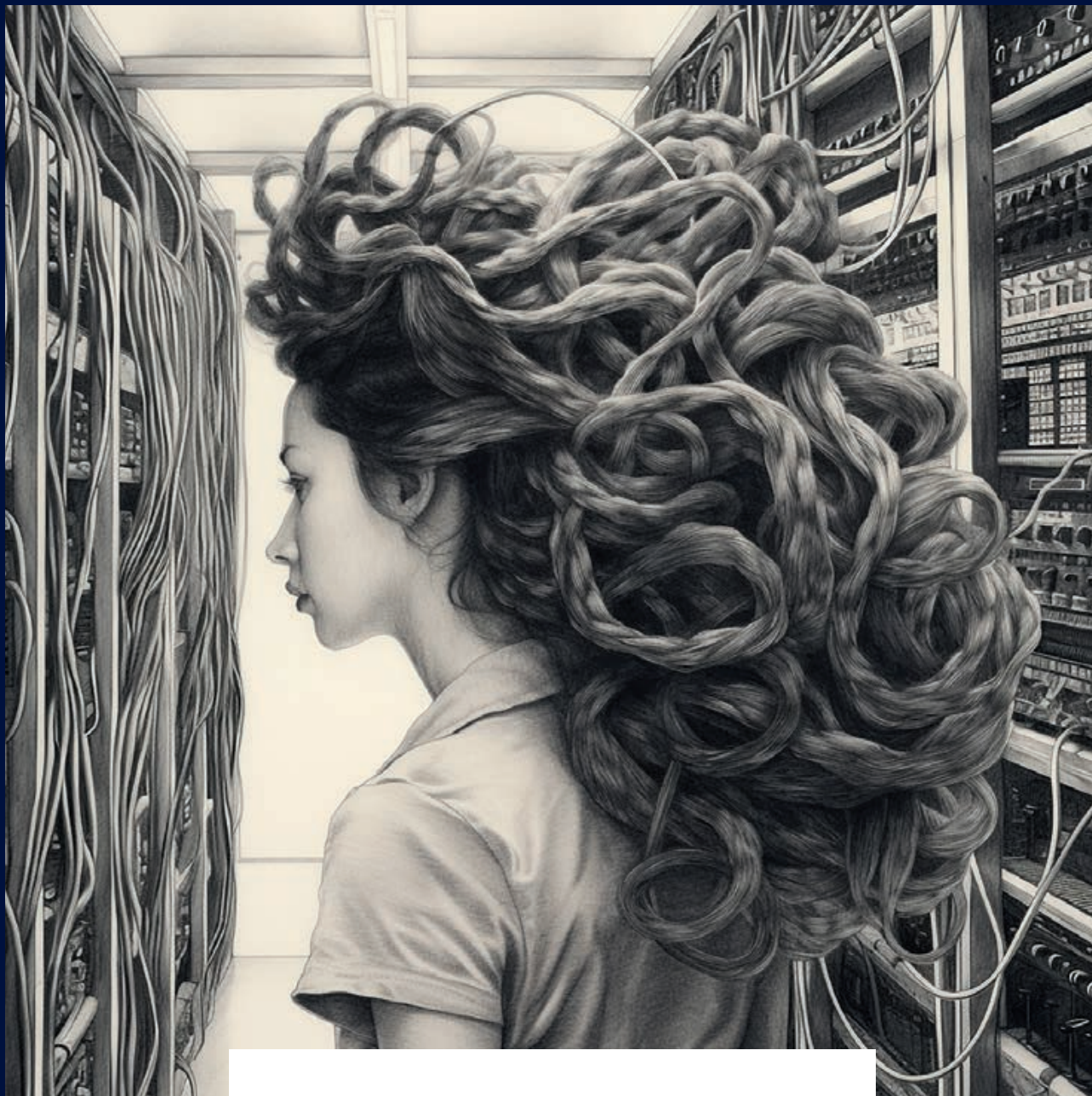
[ANALYSIS, BIG SOURCES, DATA, ENERGY, IDEA, TRACKS, COLLAGE ART TECHNIQUE, KAREL TEIGE]



TTC TELEKOMUNIKACE

The company is a well-established purely Czech supplier of highly reliable communication solutions for converged voice and data network operators. It has its own modern development facilities and a production plant in Prague for PCB assembly and soldering, from piece production to medium-sized series of up to 10,000 units. It is a proven supplier for critical government infrastructure.

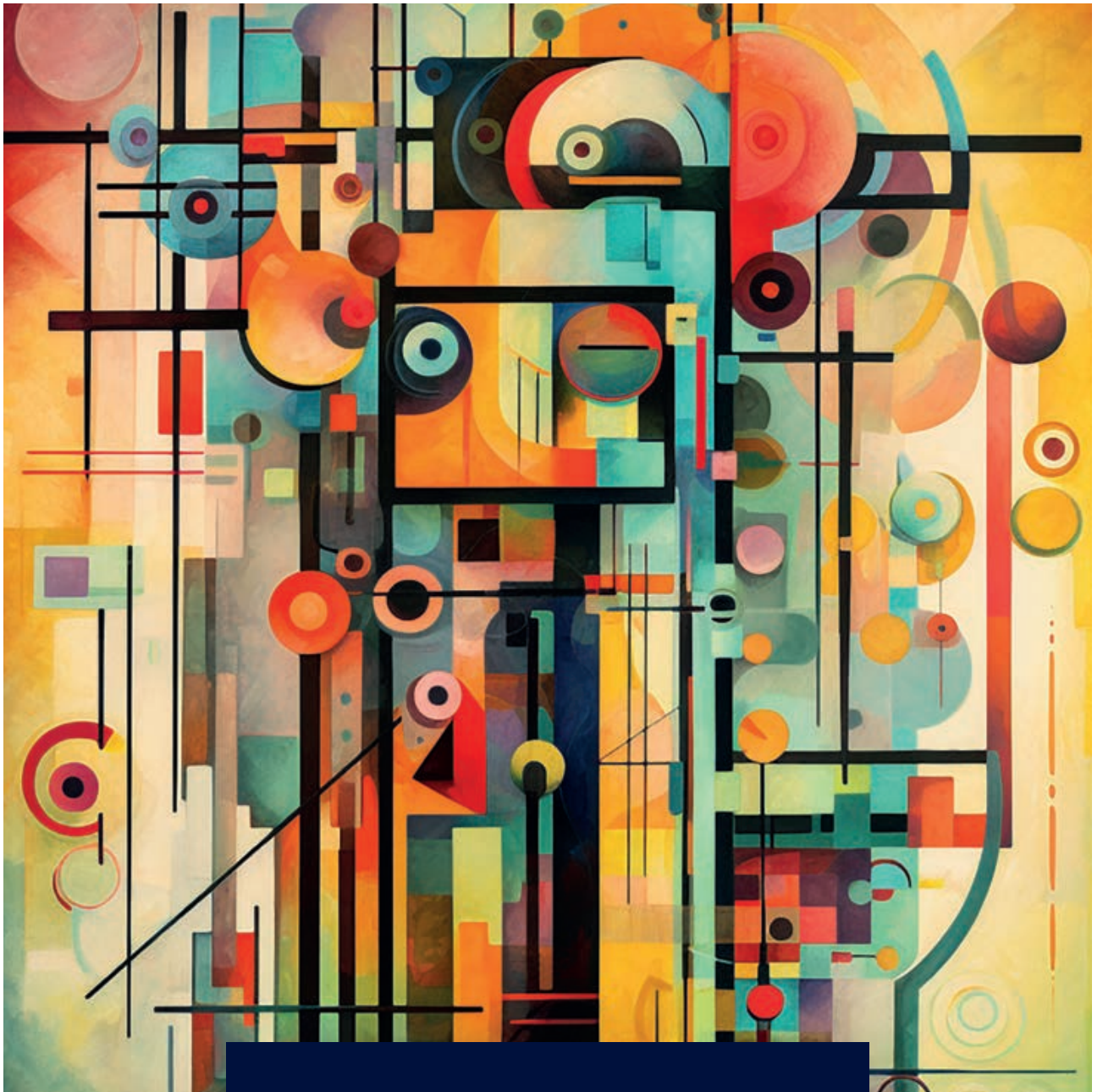
[SECURITY, TELECOMMUNICATIONS, ART OF CONNECTION,
PRODUCTION, LINKS, CRITICAL INFRASTRUCTURE,
SENSATIONAL REALISM, THEODOR PISTEK]



TTC TELEPORT

One of Europe's largest data centre operators. Almost half of all Czech internet data is stored in the company's centres in Prague. The data centre known as TTC DC1 is located in Tiskařská and the second one, TTC DC2, in Sazečská.

[DATA, CABLES, PROTECTION, CARE, HOME, INFORMATION, DATACENTER, HYPERREALISM, GRAPHICS, PENCIL, JIRI BALCAR]



TTC TELSYS

A technology company developing and manufacturing electronics for controlling and operating elevators, which are installed in thousands of facilities throughout the Czech and Slovak Republics. For the construction of new lifts or complete modernization of existing lifts, it offers a comprehensive range of control electronics including all necessary electrical components.

[MAN, UNDER CONTROL, GUARD, NAVIGATION POINTS,
ELEVATOR, CAMERAS, MOVEMENT, SECURITY, ART, ORPHISM,
FRANTISEK KUPKA]

TTC REAL ESTATE

Real estate is one of the key areas of our business, which ensures the long-term financial stability of the entire Group and allows us to invest in further development activities. The investment strategy of the Real Estate division is to seek out properties for long-term possession. It currently owns several real estate properties in Prague and Trutnov with a total gross floor area of 89,000 m².

Within its current portfolio, it manages properties with an estimated market value of CZK 1.5 billion, which include offices, development laboratories, production facilities, warehouse space and technology areas, as well as two film studios in Prague 5 - Jinonice. TTC investment group also sees long-term potential for the development of its real estate business in its own development projects.

[VISION, CITY, BUILDINGS, DEVELOPMENT,
CONSTRUCTION, IDEA, AESTHETICS, AVANT-GARDE,
TOYEN]





TTC ATRIUM

TTC ATRIUM operates separately within the real estate part of TTC Group. It manages extensive administrative and production premises located in the centre of Trutnov in the foothills of the Krkonoše Mountains. TTC ATRIUM includes a complex of interconnected and detached buildings suitable for production, warehouses, shops and services. The facility has been 99% occupied for a long time and is home to a number of industrial companies such as ZPA Smart Energy and TE Connectivity.

[ARCHITECTURE, BUILDING, HOUSE, CONNECTOR, ART OF BUILDING, ABSTRACTION, FRANTISEK KUPKA]



**NEW COMPANIES
IN THE GROUP 2023**

MANAGEMENT

Mycroft Mind



Ing. Josef Šelepa, CSc.
Chief Executive Officer

TTC apki



Ing. Jakub Laurich, MBA
Chief Executive Officer

TTC MOBILE



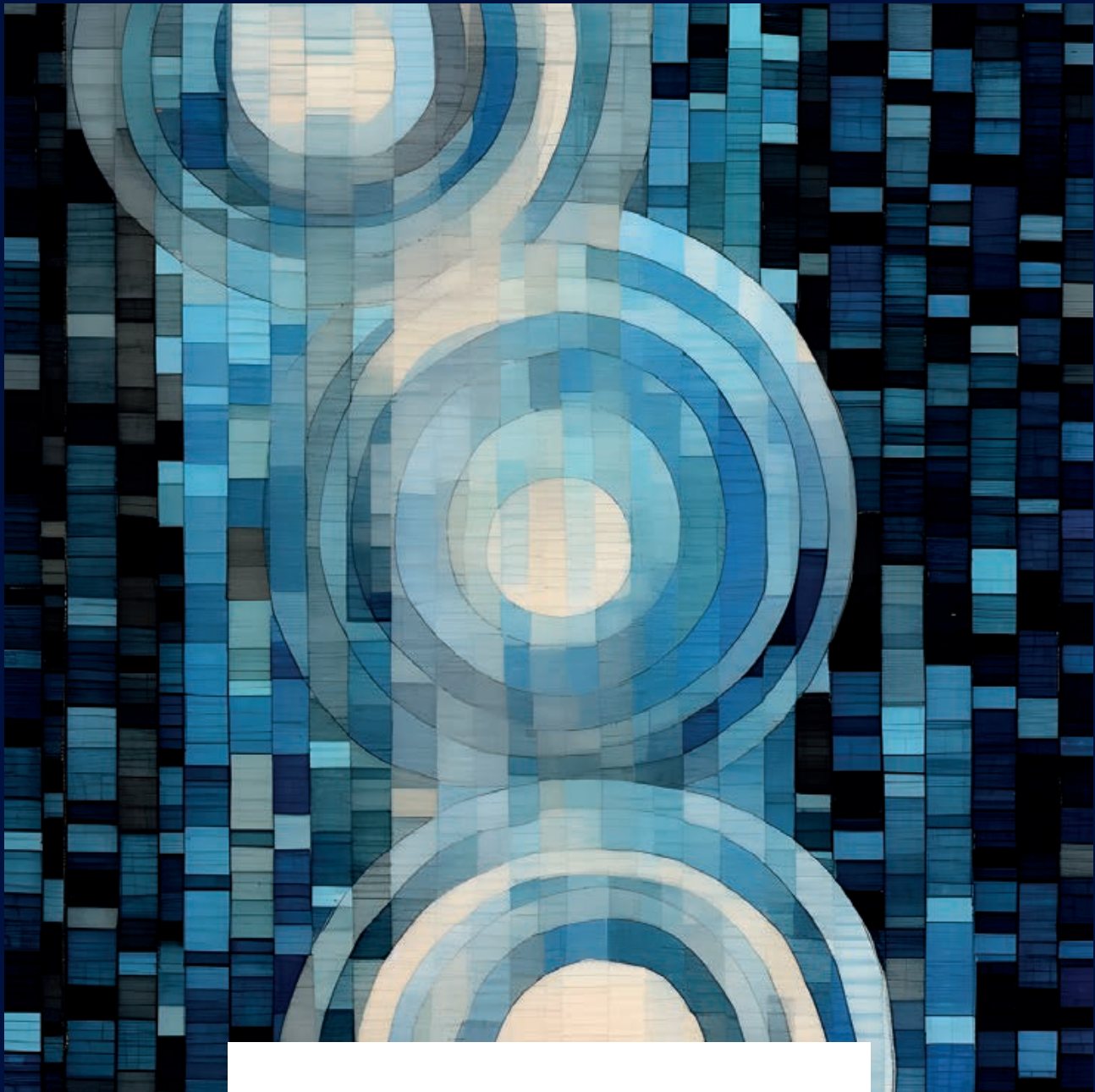
Ing. Martin Čížek
Chief Executive Officer



Mycroft Mind

Originally a spin-off of Masaryk University, it is now one of the leading European companies in the field of data processing and analysis. Since its foundation, it has also been working on artificial intelligence issues. It has developed its own software platform, DataGenie, for collecting and processing data from large-scale sensor networks, be it energy distribution networks or urban infrastructure.

[HUMAN, BIG DATA, INTUITION, VARIABILITY, FAST, ANALYSE, GRAPHICS, ILLUSTRATION, VERA PACOVSKA]



TTC apki

The company TTC apki was created through the spin-off of the ICT services division from TTC TELSIS. It focuses on the creation of applications that help to optimize workflows and digitize business processes, ensure greater safety of employees in operations, significantly reduce the consumption of paper and office supplies, thus supporting an environmentally friendly approach.

[TECHNOLOGY, PERIMETER, CONTROL, NIGHT, SECURITY,
SAFETY, PAINTING ON CANVAS, ABSTRACTION,
FRANTISEK KUPKA]



TTC MOBILE

A technology company with its own development centre focuses primarily on the use of 5G mobile networks for applications in transport, energy and critical communications. Its key activity is the development and production of applications for critical communications over mobile and radio networks.

[TECHNOLOGY, DATA, ANALYSE, TIME, RESOURCE, ABSTRACTION, COLLAGE ART TECHNIQUE, JIRI KOLAR]



P. 4
Foreword,
Josef Capek AI



P. 6
TTC group,
Vaclav Spala AI



P. 11
TTC GROUP HISTORY,
Alfons Mucha AI



p. 13
Selected companies,
Antonin Slavicek AI



P. 16
4eggs,
Frantisek Janousek AI



P. 17
ANETE,
Antonin Chittussi AI



P. 18
ApS Brno,
Vaclav Spala AI



P. 19
AWOS,
Emil Filla AI



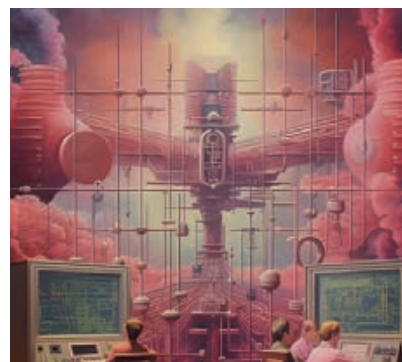
P. 20
TTC CONTROLS,
Zdenek Beran AI



P. 21
TTC MARCONI,
Bohumil Kubista AI



P. 22
TTC NOVIQ,
Karel Teiga AI



P. 23
TTC TELEKOMUNIKACE,
Theodor Pistek AI



P. 24
TTC TELEPORT,
Jiri Balcar AI



P. 25
TTC TELSYS,
Frantisek Kupka AI



P. 27
TTC REAL ESTATE,
Toyen AI



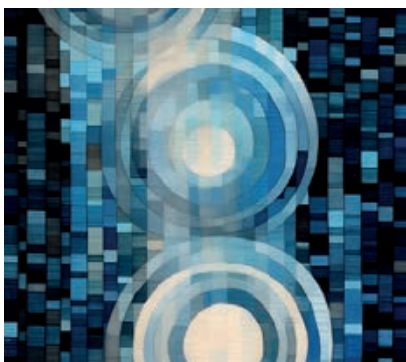
P. 28
TTC ATRIUM,
Frantisek Kupka AI



P. 29
New companies,
Josef Capek AI



P. 31
Mycroft Mind,
Kveta Pacovska AI

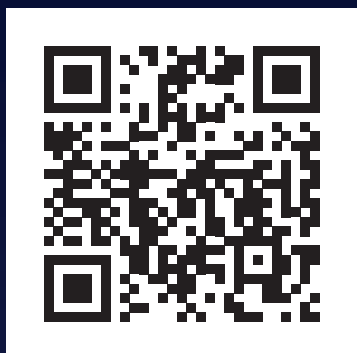


P. 32
TTC apki,
Frantisek Kupka AI



P. 33
TTC MOBILE,
Jiri Kolar AI

30 YEARS OF TTC



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