

Chapter G: ICT sector

Information and Communication Technology Sector (hereafter **ICT sector**) is **defined** as a combination of **economic activities** of **manufacturing products** and **providing services** primarily dedicated to processing, communication, and distribution of information **electronically**, including information capture, storage, transmission, and display (OECD, 2006).

The ICT sector is the backbone of digital transformation and are essential to support further digital innovation. ICT sector includes a combination of **ICT manufacturing** and **ICT services** industries. ICT sector involves all enterprises with the prevailing economic activity according to the divisions and groups of the **Classification of Economic Activities (CZ-NACE)** as follows:

ICT manufacturing that includes following groups of CZ-NACE:

- Manufacture of electronic components and boards (26.1),
- Manufacture of computers and peripheral equipment (26.2),
- Manufacture of communication equipment (26.3) and
- Manufacture of consumer electronics and media (26.4 and 26.8)

ICT services:

- **ICT wholesale** (group 46.5),
- **Telecommunications** (division 61) and
- **IT services** that include following groups of CZ-NACE:
 - Software publishing (58.2)
 - Computer programming, consultancy and related activities (62.0)
 - Data processing, hosting and related activities; web portals (63.1)
 - Repair of computers and communication equipment (95.1)

Telecommunications include transmitting voice, data, text, sound and video. The transmission facilities that carry out these activities may be based on a single technology or a combination of technologies. The commonality of activities classified in this division is the transmission of content, without being involved in its creation or alteration.

IT services primarily include activities of providing expertise in the field of information technologies (IT), designing the structure and content of, and/or writing, modifying, customising, testing and supporting software and apps; planning and designing information systems that integrate computer hardware, software and communication technologies; data processing facilities and computer hardware, software and systems consultancy services. It includes also the provision of computing infrastructure, data processing and hosting activities, as well as activities of web search portals and other activities that primarily supply information.

Detailed information about **classification of economic activities in the EU (NACE)** can be found at: <https://ec.europa.eu/eurostat/web/nace>

Data for this chapter, except for R&D expenditures (source: **R&D annual survey – see chapter D**), were obtained from the Annual structural survey of business entities from selected production industries (**SBS – Structural Business Statistics**). More information about Czech SBS can be found at: <https://csu.gov.cz/annual-structural-business-statistics-methodology>.

The **Eurostat Structural Business Statistics Database** was used as a data source for the **international comparison**. Data for international comparisons refer to **the reported or nearest available year**. More information about SBS and the ICT sector in EU countries can be found at:

<http://ec.europa.eu/eurostat/web/structural-business-statistics/overview> or at: https://ec.europa.eu/eurostat/cache/metadata/en/isoc_se_esms.htm.

Further information on ICT sector can be found at:

<https://csu.gov.cz/ict-sector>.

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Table G.1 Employment in the ICT sector in Czechia

	Headcount persons		
	2022	2023	2024
Total	197 754	202 025	198 974
ICT manufacturing, total	25 853	25 542	24 273
Manuf. of electronic components	9 192	10 189	9 901
Manuf. of computer equipment	7 219	6 867	6 503
Manuf. of communication equipment	5 635	5 511	5 023
Manuf. of consumer electronics	3 807	2 975	2 847
ICT services, total	171 901	176 483	174 701
ICT wholesale	12 120	11 255	10 951
Telecommunications	21 513	21 431	21 361
IT services	138 269	143 797	142 389

Chart G.1 Employment in the ICT sector in Czechia

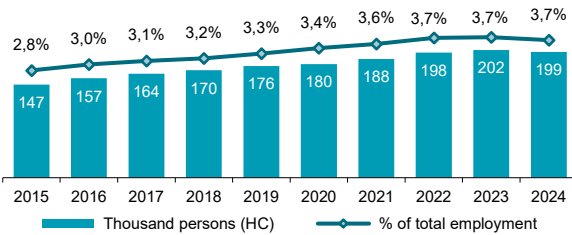


Chart G.2 Employment in the ICT sector in Czechia by industry

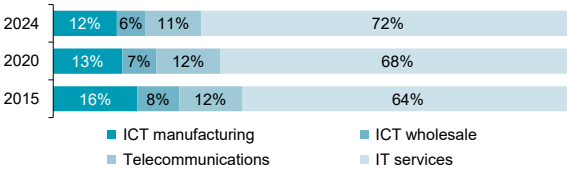


Chart G.3 Employment in the ICT subsectors in Czechia by ownership of enterprises in 2024

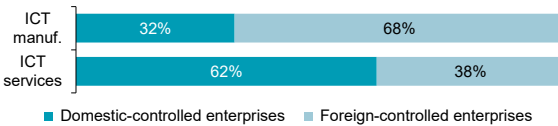
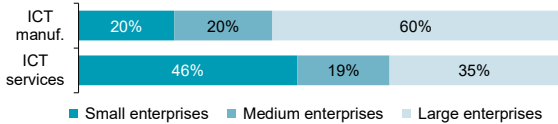


Chart G.4 Employment in the ICT subsectors in Czechia by size group of enterprises in 2024



Source: The Czech Statistical Office, Structural Business Statistics

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Chart G.5 Employment in the ICT sector in 2023
(% of total employment)

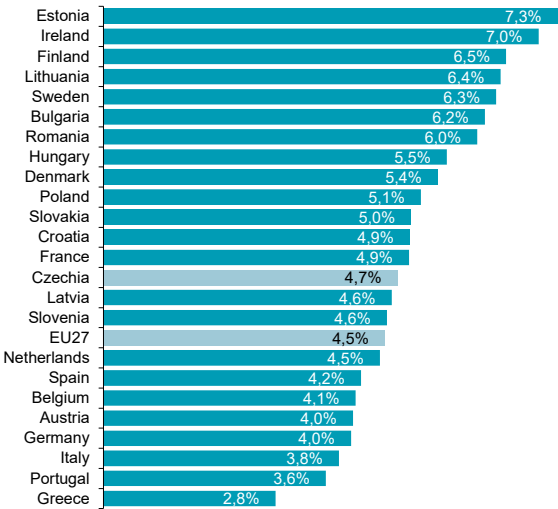
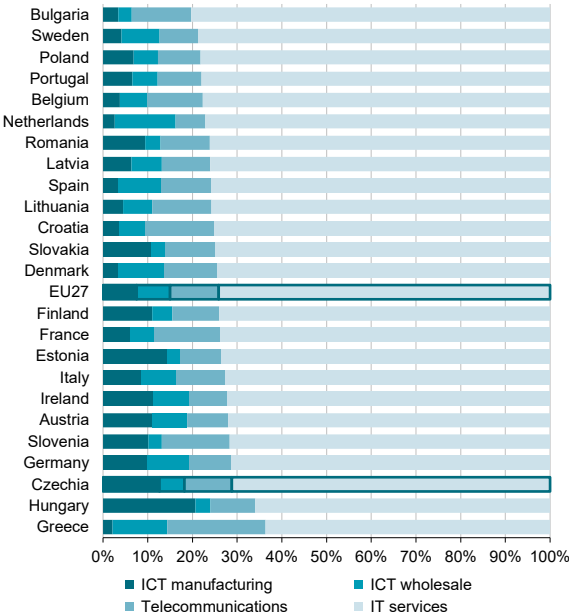


Chart G.6 Employment in the ICT sector by industry in 2023



Source: Eurostat SBS Database and Czech Statistical Office own calculations

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Chart G.7 Employment in ICT manufacturing in Czechia

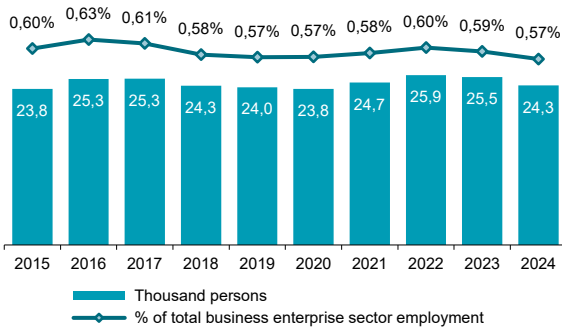


Chart G.8 Employment in Telecommunications in Czechia

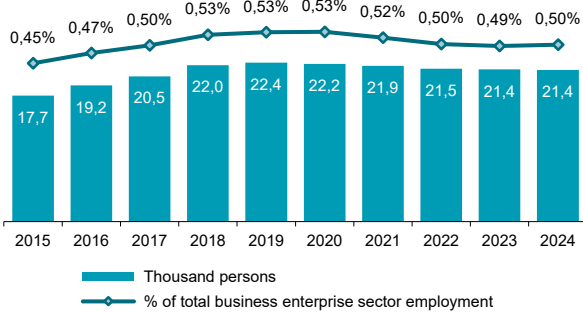
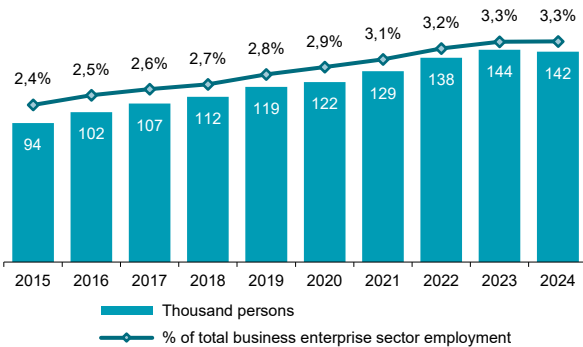


Chart G.9 Employment in IT services in Czechia



Source: The Czech Statistical Office, Structural Business Statistics

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Chart G10 Employment in ICT manufacturing in 2023
(% of total business enterprise sector employment)

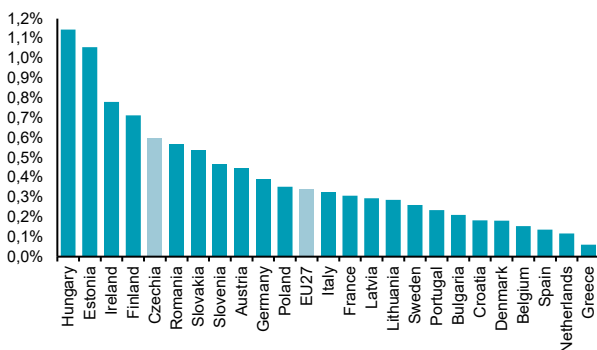


Chart G11 Employment in Telecommunications in 2023
(% of total business enterprise sector employment)

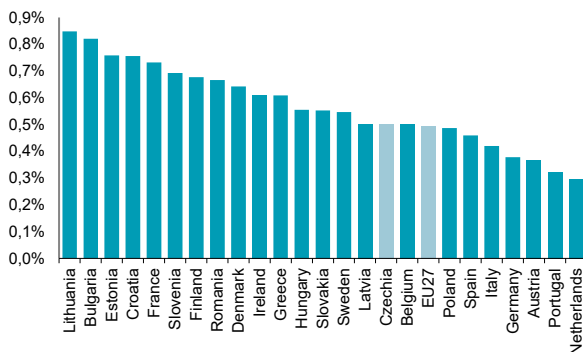
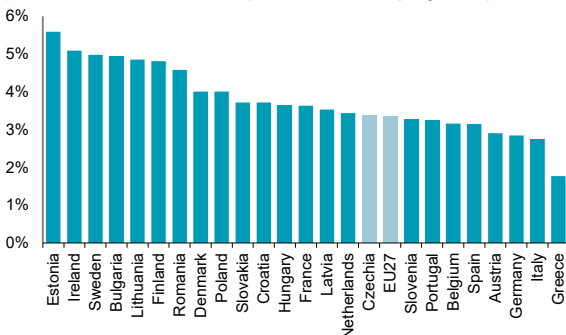


Chart G12 Employment in IT services in 2023
(% of total business enterprise sector employment)



Source: Eurostat SBS Database and Czech Statistical Office own calculations

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Table G.2 Turnover in the ICT sector in Czechia

	CZK million		
	2022	2023	2024
Total	1 045 980	1 065 766	1 169 890
ICT manufacturing, total	240 848	211 188	254 261
Manuf. of electronic components	26 723	32 481	33 022
Manuf. of computer equipment	166 828	136 195	179 367
Manuf. of communication equipment	19 107	19 835	18 542
Manuf. of consumer electronics	28 191	22 677	23 330
ICT services, total	805 132	854 578	915 629
ICT wholesale	205 071	195 733	204 965
Telecommunications	146 234	157 653	160 562
IT services	453 827	501 192	550 101

Chart G.13 Turnover in the ICT sector in Czechia

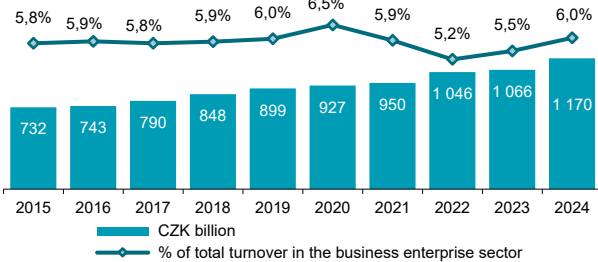


Chart G.14 Turnover in the ICT sector in Czechia by industry

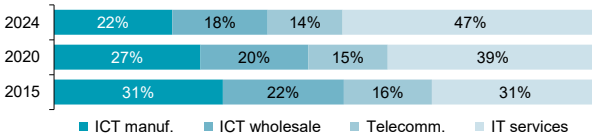


Chart G.15 Turnover in the ICT subsectors in Czechia by ownership of enterprises in 2024

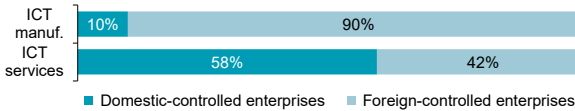
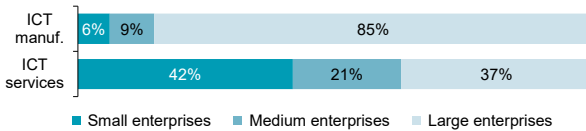


Chart G.16 Turnover in the ICT subsectors in Czechia by ownership of enterprises in 2024



Source: The Czech Statistical Office, Structural Business Statistics

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Chart G.17 Turnover in the ICT sector in 2023
(% of the total business enterprise sector turnover)

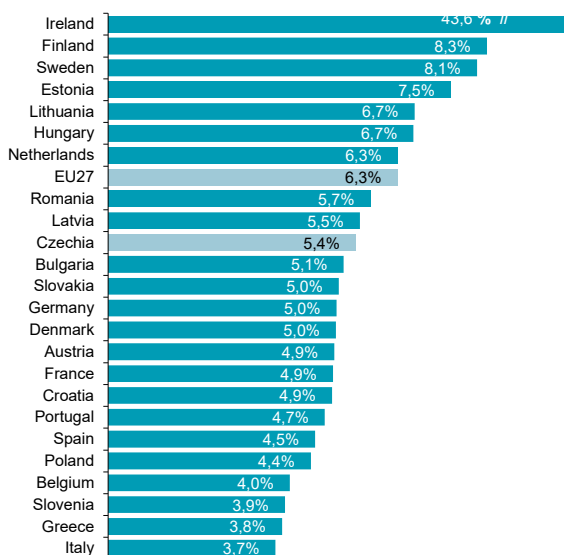
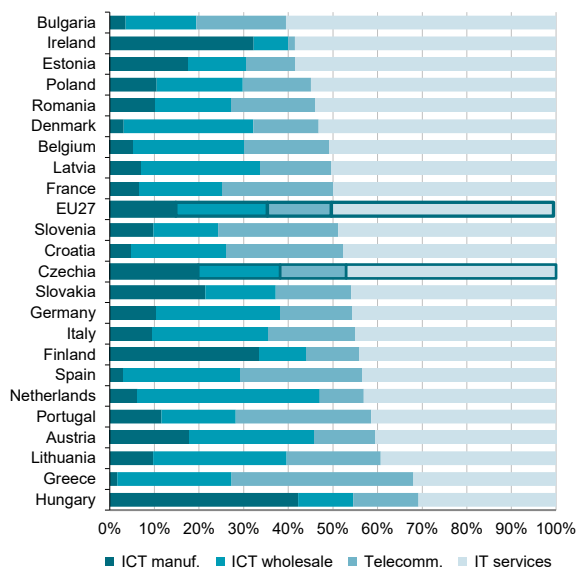


Chart G.18 Turnover in the ICT sector
by industry in 2023



Source: Eurostat SBS Database and Czech Statistical Office own calculations

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Chart G.19 Turnover in ICT manufacturing in Czechia

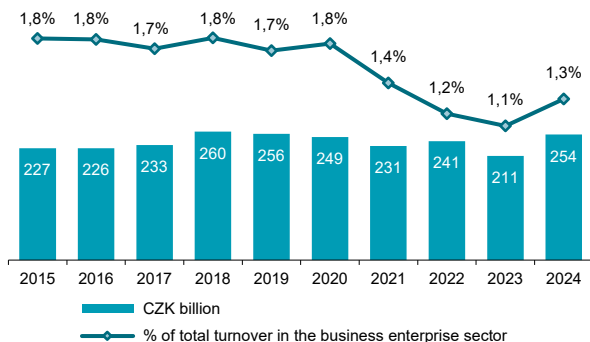


Chart G.20 Turnover in Telecommunications in Czechia

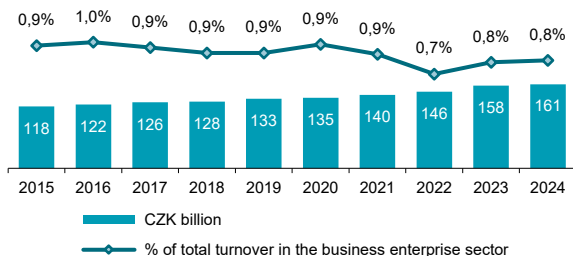
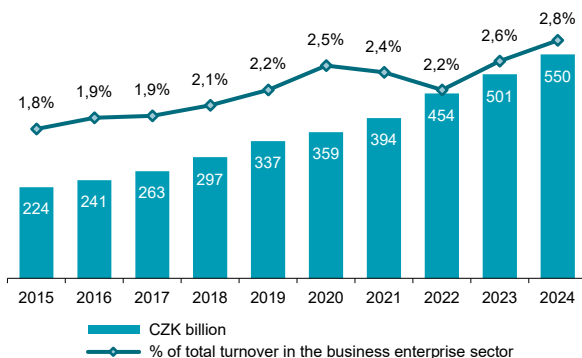


Chart G.21 Turnover in IT services in Czechia



Source: The Czech Statistical Office, Structural Business Statistics

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Chart G.22 Turnover in ICT manufacturing in 2023

(% of the total business enterprise sector turnover)



Chart G.23 Turnover in Telecommunications in 2023

(% of the total business enterprise sector turnover)

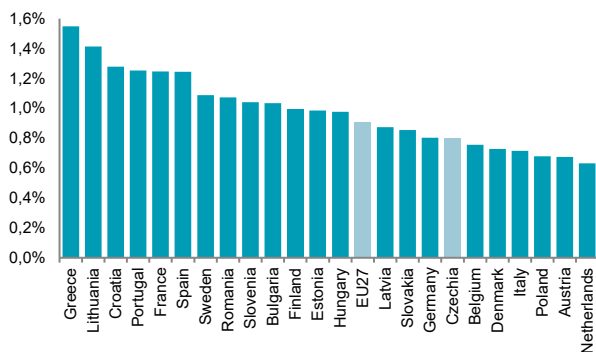
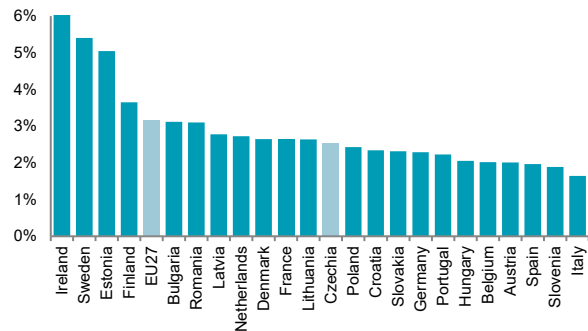


Chart G.24 Turnover in IT services in 2023

(% of the total business enterprise sector turnover)



Source: Eurostat SBS Database and Czech Statistical Office own calculations

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Table G.3 R&D expenditure in the ICT sector in Czechia

	CZK million		
	2022	2023	2024
Total	23 035	23 530	26 301
ICT manufacturing, total	1 054	1 172	1 293
Manuf. of electronic components	498	569	573
Manuf. of computer equipment	37	35	35
Manuf. of communication equipment	466	521	640
Manuf. of consumer electronics	53	47	45
ICT services, total	21 982	22 359	25 008
ICT wholesale	196	342	316
Telecommunications	836	893	855
IT services	20 950	21 124	23 837

Chart G.25 R&D expenditure in the ICT sector in Czechia

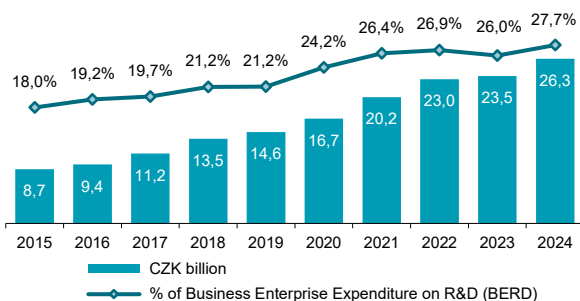


Chart G.26 R&D expenditure in the ICT sector by industry

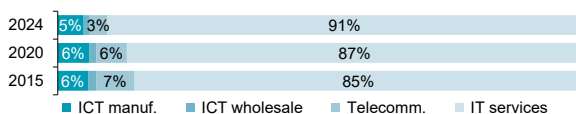


Chart G.27 R&D expenditure in the ICT subsectors in Czechia by ownership of enterprises in 2024

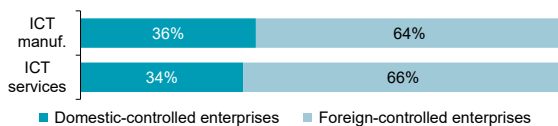
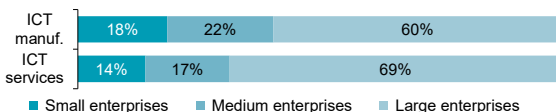


Chart G.28 R&D expenditure in the ICT subsectors in Czechia by size group of enterprises in 2024



Source: The Czech Statistical Office, Annual R&D survey

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Chart G.29 R&D expenditure in the ICT sector in 2023
(% of BERD - Business Enterprise Expenditure on R&D)

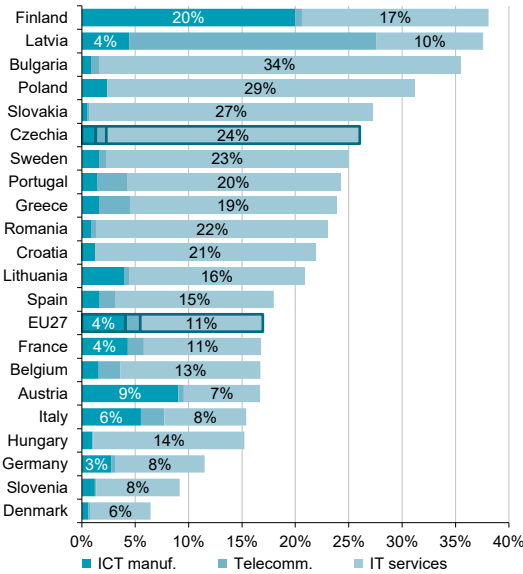
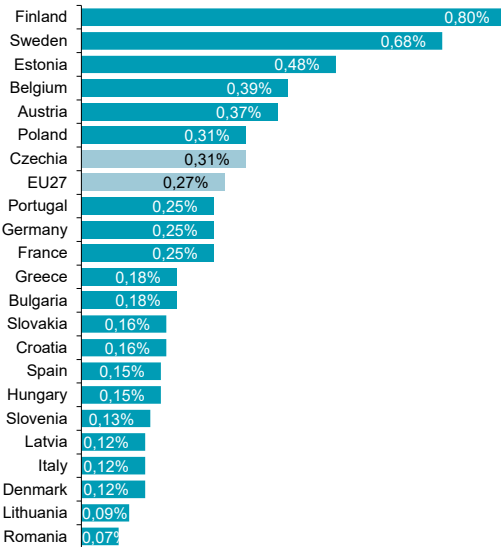


Chart G.30 R&D expenditure in the ICT sector in 2023
(% of GDP)



Source: Eurostat STI Database and Czech Statistical Office own calculations

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Chart G.31 R&D expenditure in ICT manufacturing in Czechia

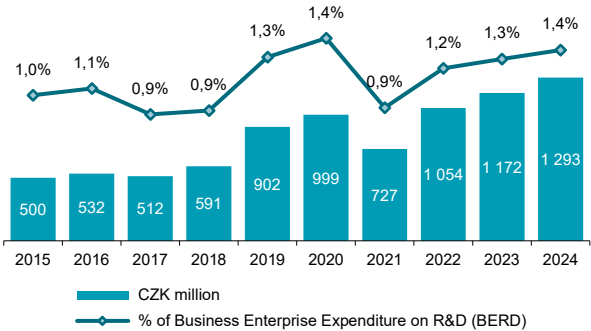


Chart G.32 R&D expenditure in Telecommunications in Czechia

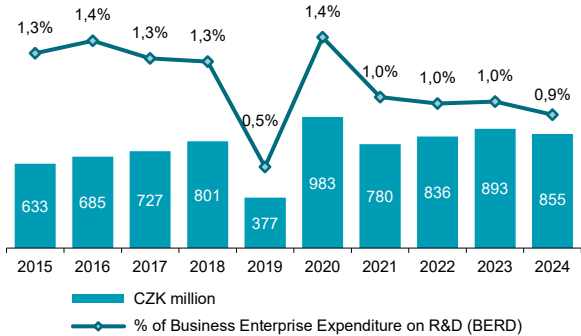
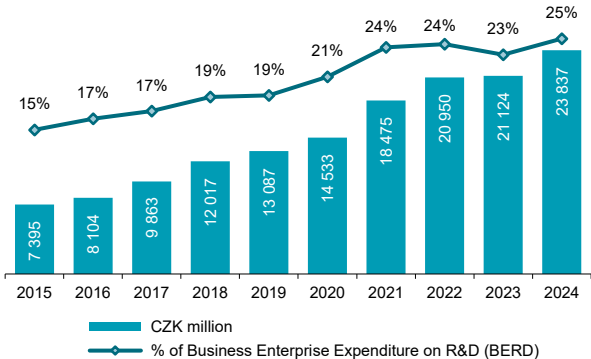


Chart G.33 R&D expenditure in IT services in Czechia



Source: The Czech Statistical Office, Annual R&D survey

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Chart G.34 R&D expenditure in ICT manufacturing in 2023
(% of BERD - Business Enterprise Expenditure on R&D)

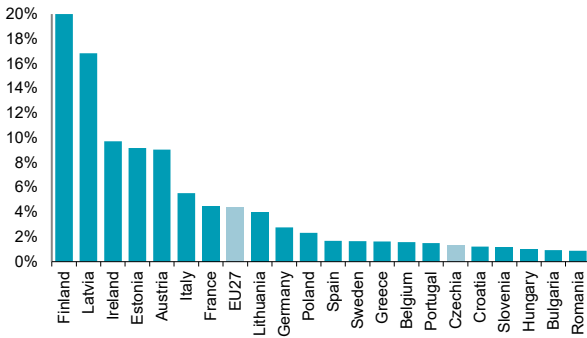


Chart G.35 R&D expenditure in Telecommunication, 2023
(% of BERD - Business Enterprise Expenditure on R&D)

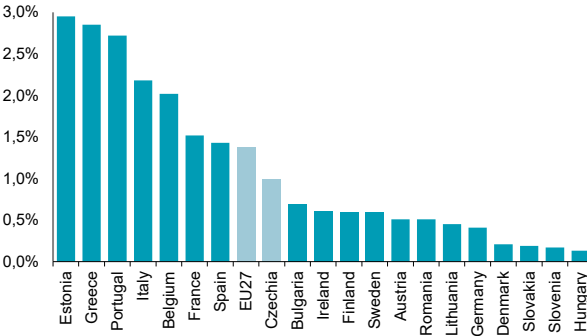
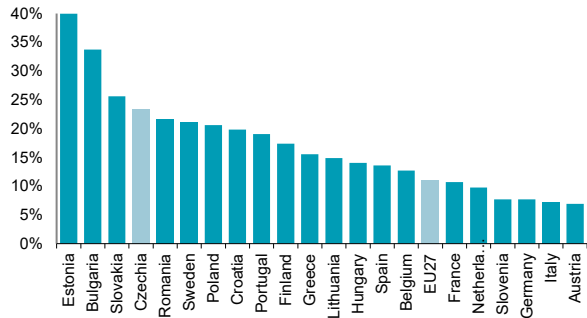


Chart G.36 R&D expenditure in IT services in 2023
(% of BERD - Business Enterprise Expenditure on R&D)



Source: Eurostat STI Database and Czech Statistical Office own calculations

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Chart G.37 Value added in the ICT sector in 2023
(% GDP)

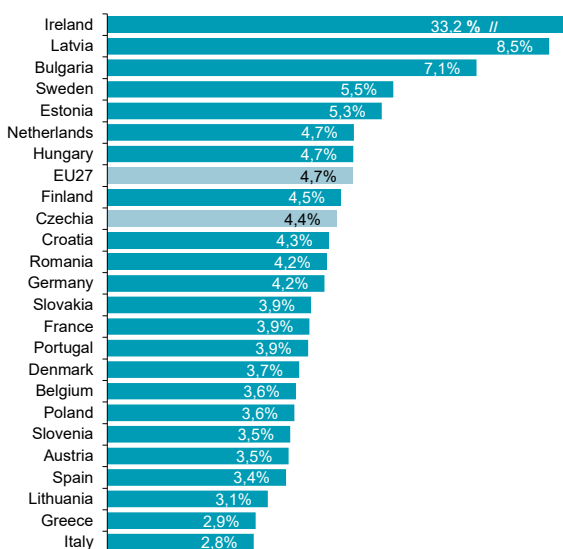
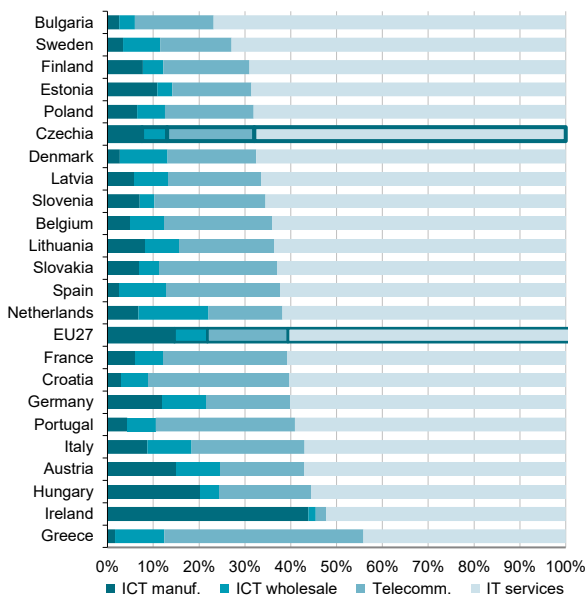


Chart G.38 Value added in the ICT sector
by industry in 2023



Source: Eurostat SBS Database and Czech Statistical Office own calculations