

Table TRN-6. Global KTI industries, by value added and share of global GDP: 2018–24

(Billions of dollars, percent change, and share of global GDP)

Industry	ISIC, Rev.4, industry code	Billions of dollars							Percent change						Share of global GDP						
		2018	2019	2020	2021	2022	2023	2024	2019	2020	2021	2022	2023	2024	2018	2019	2020	2021	2022	2023	2024
GDP		86,497	87,772	85,519	97,403	101,409	105,685	110,065	1.5	-2.6	13.9	4.1	4.2	4.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All manufacturing		13,908	13,753	13,413	15,926	16,576	16,787	16,941	-1.1	-2.5	18.7	4.1	1.3	0.9	16.1	15.7	15.7	16.4	16.3	15.9	15.4
Total private services		38,134	38,958	38,129	43,120	44,495	46,927	49,332	2.2	-2.1	13.1	3.2	5.5	5.1	44.1	44.4	44.6	44.3	43.9	44.4	44.8
All KTI industries		9,057	9,069	9,091	10,604	10,815	11,238	11,714	0.1	0.2	16.6	2.0	3.9	4.2	10.5	10.3	10.6	10.9	10.7	10.6	10.6
KTI manufacturing		6,457	6,319	6,286	7,379	7,480	7,634	7,783	-2.1	-0.5	17.4	1.4	2.1	2.0	7.5	7.2	7.3	7.6	7.4	7.2	7.1
Chemicals and chemical products	20	1,081	1,032	1,025	1,231	1,264	1,271	1,238	-4.5	-0.6	20.1	2.7	0.6	-2.6	1.2	1.2	1.2	1.3	1.2	1.2	1.1
Pharmaceutical, medicinal chemical, and botanical products	21	668	669	731	875	910	923	966	0.2	9.3	19.6	4.0	1.4	4.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9
Weapons and ammunition	252	38	40	41	47	49	53	57	4.3	2.8	13.6	5.0	7.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Computer, electronic, and optical products	26	1,241	1,212	1,250	1,458	1,470	1,407	1,488	-2.4	3.2	16.6	0.8	-4.3	5.7	1.4	1.4	1.5	1.5	1.4	1.3	1.4
Electrical equipment	27	657	655	668	790	823	875	898	-0.3	2.0	18.2	4.1	6.3	2.6	0.8	0.7	0.8	0.8	0.8	0.8	0.8
Machinery and equipment nec	28	1,163	1,140	1,143	1,348	1,295	1,317	1,324	-2.0	0.2	18.0	-3.9	1.7	0.5	1.3	1.3	1.3	1.4	1.3	1.2	1.2
Motor vehicles, trailers, and semi-trailers	29	1,076	1,033	934	1,076	1,094	1,167	1,170	-4.0	-9.7	15.3	1.6	6.7	0.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
Air and spacecraft and related machinery	303	244	250	210	228	238	275	292	2.8	-16.1	8.6	4.4	15.6	5.9	0.3	0.3	0.2	0.2	0.2	0.3	0.3
Railroad, military vehicles, and transport equipment nec	30X	111	113	106	127	130	133	137	1.2	-5.6	19.7	1.8	2.5	3.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Medical and dental instruments and supplies	325	176	174	176	198	206	212	213	-0.8	1.3	12.4	3.9	2.8	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2
KTI services		2,600	2,750	2,805	3,225	3,335	3,604	3,931	5.7	2.0	15.0	3.4	8.1	9.1	3.0	3.1	3.3	3.3	3.3	3.4	3.6
Software publishing	582	286	323	358	415	422	467	527	13.2	10.6	16.1	1.5	10.8	12.8	0.3	0.4	0.4	0.4	0.4	0.4	0.5
IT and other information services	62–63	1,585	1,673	1,721	1,974	2,055	2,230	2,446	5.6	2.9	14.7	4.1	8.5	9.7	1.8	1.9	2.0	2.0	2.0	2.1	2.2
Scientific R&D services	72	730	753	726	836	859	908	959	3.2	-3.6	15.1	2.7	5.6	5.7	0.8	0.9	0.8	0.9	0.8	0.9	0.9

GDP = gross domestic product; ISIC, Rev.4 = International Standard Industrial Classification of All Economic Activities, Revision 4; IT = information technology; KTI = knowledge and technology intensive; nec = not elsewhere classified.

Note(s):

Value added is the value of goods and services (gross output) minus the cost of intermediate inputs (energy, materials, and purchased services). KTI industries include high R&D intensive and medium-high R&D intensive industries based on a classification by the Organisation for Economic Co-operation and Development. Total private services corresponds to main services in ISIC, Rev.4.

Source(s):

Value added data are from S&P Global Market Intelligence, Comparative Industry Service special tabulations, April 2025; GDP data are from International Monetary Fund World Economic Outlook, accessed April 2025 (available at <https://www.imf.org/en/Publications/WEO/weo-database/2023/October>), and Bureau of Economic Analysis, Industry Economic Accounts, accessed April 2025 (available at <https://www.bea.gov/itable/national-gdp-and-personal-income>).