

Appendix table 6-2

Value added of KTI industries, by region/country/economy: 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
World	8,047,291	8,221,079	8,706,645	9,068,485	9,186,971	9,701,658	10,887,321	12,073,780	13,011,910	14,006,017	15,610,189	16,817,919	16,702,381	17,768,533	19,168,836	19,603,713
North America																
Canada	169,934	166,946	178,040	195,033	195,348	201,332	238,937	273,688	309,811	357,567	400,616	421,117	401,414	474,597	526,516	542,750
Mexico	75,763	84,997	101,427	120,001	135,540	152,202	149,161	156,522	181,882	199,655	220,894	232,352	198,388	224,693	245,760	252,908
United States	2,854,611	3,101,958	3,316,850	3,602,369	3,798,858	3,979,938	4,175,586	4,426,289	4,763,168	5,079,251	5,333,762	5,497,684	5,544,438	5,756,243	5,961,854	6,232,154
Central and South America																
Argentina	63,435	66,334	67,275	67,976	68,893	22,268	24,201	27,898	34,581	43,172	54,207	69,312	70,273	81,251	95,792	103,807
Bolivia	1,099	1,261	1,396	1,323	1,249	1,159	1,102	1,114	1,160	1,277	1,428	1,735	1,934	2,145	2,380	2,645
Brazil	177,770	170,489	120,191	138,764	125,473	117,494	124,016	140,495	193,527	244,120	314,207	370,494	379,107	479,239	503,108	475,747
Chile	19,467	19,514	18,260	18,528	16,975	16,775	17,910	22,316	26,915	31,275	36,851	41,709	42,772	51,667	59,557	64,030
Colombia	34,879	31,901	26,397	22,671	22,730	22,415	21,196	25,799	32,066	34,796	44,477	52,209	52,589	64,216	71,361	78,904
Costa Rica	2,739	2,928	3,190	3,523	3,839	4,141	4,385	4,602	4,949	5,608	6,588	7,823	8,512	10,837	12,371	13,618
Ecuador	4,589	4,396	2,553	2,079	3,409	4,546	5,788	6,913	8,157	9,237	10,039	17,204	18,356	20,211	23,203	25,738
Honduras	1,028	1,227	1,316	1,479	1,663	1,774	1,908	2,051	2,163	2,470	2,907	3,399	3,835	4,150	4,445	4,701
Jamaica	1,381	1,471	1,605	1,955	2,089	2,320	2,340	2,428	2,657	2,820	3,082	3,376	3,170	3,315	3,596	3,665
Panama	2,730	2,977	3,215	3,397	3,582	3,757	3,841	4,002	4,338	4,666	5,300	6,066	6,575	7,137	8,137	9,376
Peru	9,310	9,224	8,497	8,803	8,977	9,574	10,357	11,221	12,508	14,037	16,403	19,596	21,299	24,983	28,830	32,859
Uruguay	6,260	6,634	6,534	6,448	6,163	3,993	3,104	3,206	4,124	4,651	5,437	7,105	7,643	9,824	11,739	12,664
Venezuela	13,540	18,532	20,110	22,635	25,445	18,816	15,952	17,377	20,034	26,661	36,900	47,416	59,143	36,579	50,082	59,972
Europe																
EU	2,339,533	2,432,007	2,493,871	2,328,048	2,373,722	2,647,910	3,261,419	3,762,012	3,940,941	4,193,184	4,836,801	5,207,741	4,944,989	4,832,373	5,100,164	4,900,623
Austria	48,930	50,565	50,463	46,449	47,299	52,391	64,023	72,489	77,252	83,064	95,027	104,833	97,400	96,980	104,992	99,958
Belgium	73,596	76,493	78,285	72,432	73,762	81,038	100,289	116,536	121,984	129,538	148,930	167,104	164,944	166,285	180,609	171,578
Bulgaria	1,110	1,519	1,786	1,831	1,968	2,417	3,020	3,675	4,390	4,456	6,227	6,958	7,154	7,261	8,046	7,625
Czech Republic	10,727	12,154	11,825	11,150	12,683	16,509	20,410	23,544	26,890	30,520	37,940	48,545	43,940	44,100	49,026	44,962
Denmark	46,394	48,051	48,466	44,751	46,378	50,198	63,126	72,605	76,207	80,583	91,743	102,998	103,530	102,409	109,806	106,150
Finland	30,116	33,005	34,248	33,639	33,708	37,775	44,710	51,453	52,873	57,060	69,004	75,172	67,074	66,235	70,708	68,359
France	427,003	441,376	446,516	413,521	415,961	462,536	574,311	654,705	682,300	726,809	825,766	908,519	904,383	857,463	888,515	848,763
Germany	581,160	585,713	593,741	516,316	516,347	568,145	701,884	799,815	811,490	841,337	945,900	1,019,175	988,751	981,999	1,033,827	993,330
Greece	24,098	25,242	26,546	23,971	23,770	28,422	36,997	44,280	46,101	50,662	60,881	68,623	67,893	62,482	61,566	54,978
Hungary	10,897	11,333	11,368	11,246	12,906	16,757	22,215	26,887	29,801	30,658	34,740	38,967	32,311	31,217	34,482	31,725
Ireland	23,420	25,327	29,388	31,422	33,629	39,206	52,095	60,377	70,340	78,633	91,077	97,433	86,174	79,391	83,169	78,316
Italy	277,556	281,921	286,921	268,232	277,867	305,261	383,148	432,498	450,316	465,989	531,833	582,880	554,448	538,500	548,321	510,477
Netherlands	111,449	117,507	122,172	114,927	120,745	135,217	171,900	195,308	206,635	214,338	244,565	273,621	273,509	268,275	283,958	267,914
Poland	28,804	32,609	32,169	34,427	39,706	42,309	46,061	52,804	63,822	70,836	88,559	110,775	87,793	96,772	101,856	98,630
Portugal	26,803	28,077	29,409	27,673	29,335	32,523	40,224	46,705	49,153	52,492	61,011	67,805	66,105	63,793	65,551	60,029
Romania	4,033	5,018	4,857	5,206	5,436	5,755	6,906	9,449	12,660	15,612	22,914	30,248	23,860	23,760	26,093	26,940
Slovakia	4,070	4,100	3,517	3,630	3,703	4,775	6,247	7,646	9,137	10,510	14,123	18,172	18,318	16,658	17,492	16,888

Appendix table 6-2

Value added of KTI industries, by region/country/economy: 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Spain	125,380	132,264	135,106	128,040	137,241	155,417	200,159	234,339	253,081	278,116	338,561	389,971	394,176	373,907	401,992	371,928
Sweden	75,716	76,990	81,160	76,859	71,830	79,748	100,817	119,590	123,314	130,843	149,830	159,718	140,988	154,837	180,605	177,475
United Kingdom	408,271	442,744	465,927	462,327	469,450	531,510	622,878	737,308	773,193	841,128	978,171	936,226	822,240	800,049	849,549	864,597
Other Europe																
Norway	35,172	35,861	37,333	35,550	37,651	44,998	55,311	63,046	70,953	75,540	92,540	103,226	98,775	104,730	118,457	121,781
Russia	71,868	47,528	30,632	35,170	47,464	55,658	70,052	91,659	118,327	157,445	222,191	281,697	237,598	271,371	315,288	342,215
Switzerland	82,275	87,256	85,751	81,808	81,838	92,017	109,847	123,179	127,562	137,176	155,508	178,759	175,322	185,063	221,970	221,360
Ukraine	8,461	6,786	4,630	4,575	6,432	7,672	9,779	14,408	17,426	21,893	31,110	41,563	30,259	32,853	35,528	36,613
Middle East																
Bahrain	2,364	2,497	2,544	2,856	2,710	2,858	3,567	4,396	5,088	5,792	6,633	7,227	7,267	7,871	8,281	8,806
Iran	7,184	8,592	7,344	9,565	12,443	16,374	20,509	25,269	29,387	36,277	46,006	53,529	55,994	64,779	77,205	63,249
Israel	39,143	41,420	42,451	50,343	49,808	46,333	47,178	51,076	55,154	59,310	68,439	83,597	83,231	93,090	102,118	102,047
Jordan	1,351	1,510	1,558	1,721	1,924	2,107	2,223	2,541	2,973	3,354	3,831	4,764	5,001	5,558	6,048	6,615
Kuwait	4,569	5,038	5,471	5,830	6,223	7,155	9,046	10,851	15,137	19,239	26,088	27,808	23,360	25,433	25,613	27,345
Qatar	1,006	1,184	1,224	1,280	1,468	1,683	1,840	3,135	4,705	8,289	11,463	14,799	16,970	18,399	22,410	24,930
Saudi Arabia	20,942	21,023	22,058	22,902	23,862	24,962	26,207	27,980	30,115	32,365	34,721	37,603	40,798	43,355	47,256	50,857
Turkey	41,907	58,051	65,705	64,144	52,127	51,731	64,941	82,930	102,142	116,500	149,167	172,271	157,479	176,484	178,222	181,627
United Arab Emirates	7,839	8,685	9,277	10,053	16,885	19,258	21,768	26,101	31,725	37,360	48,824	54,972	54,628	56,279	59,654	63,282
Africa																
Cameroon	1,037	1,093	1,135	967	1,018	1,120	1,422	1,513	1,634	1,705	2,018	2,288	2,378	2,532	2,718	2,704
Egypt	21,248	23,111	24,699	25,287	25,223	22,564	19,004	20,199	23,116	25,458	24,744	29,548	33,065	37,018	39,562	41,843
Kenya	2,220	2,400	2,151	2,042	2,357	2,598	3,138	3,188	3,632	4,353	5,376	5,769	5,992	6,415	6,774	8,117
Morocco	5,524	7,283	7,599	7,480	7,719	8,303	10,045	11,554	12,990	14,150	17,538	19,839	20,238	20,196	22,224	22,711
Nigeria	4,300	5,329	1,536	1,658	1,845	2,124	2,373	3,274	4,741	7,605	8,469	10,191	9,860	13,115	15,296	19,383
Senegal	609	636	693	655	712	797	1,040	1,288	1,427	1,645	2,029	2,412	2,288	2,271	2,585	2,680
South Africa	23,104	21,837	23,066	23,222	21,326	20,242	32,011	42,135	47,845	50,704	56,981	52,283	53,401	67,396	75,286	72,892
Tunisia	3,261	3,372	3,627	3,360	3,565	3,852	4,604	5,222	5,490	5,992	6,801	7,771	7,865	8,067	8,494	8,520
Zimbabwe	2,608	2,025	1,669	1,880	1,673	1,545	1,717	1,535	1,215	388	788	865	1,188	1,317	1,848	1,748
Asia																
Bangladesh	4,768	4,935	5,212	5,388	5,429	5,686	6,180	6,616	6,891	7,225	8,293	9,488	10,896	12,215	13,111	13,299
China	197,969	205,380	218,848	239,357	262,480	287,094	323,991	378,533	450,409	556,633	724,019	904,549	1,010,059	1,206,648	1,476,879	1,701,560
India	67,748	70,532	78,912	81,181	87,753	94,605	110,723	124,856	144,115	161,833	205,268	232,868	246,710	312,061	358,102	354,842
Indonesia	29,191	11,410	15,842	21,366	19,657	25,911	32,318	35,942	39,655	49,737	59,324	66,840	71,220	94,992	113,521	117,754
Japan	1,116,081	1,024,898	1,185,660	1,303,108	1,156,986	1,127,191	1,239,271	1,334,632	1,341,754	1,294,899	1,286,159	1,410,082	1,471,966	1,587,964	1,702,199	1,718,154
Malaysia	27,348	20,191	22,741	23,235	22,492	24,282	26,303	28,225	28,025	31,621	37,398	41,115	40,532	48,708	52,564	55,009
Pakistan	8,612	8,734	8,908	10,012	9,366	10,763	12,051	13,310	15,647	18,966	21,931	22,953	24,853	27,256	32,018	34,852
Philippines	14,878	14,346	18,289	18,202	16,678	18,235	18,214	20,188	23,036	27,400	33,780	38,684	39,147	45,829	52,170	57,465
Singapore	42,410	33,347	33,419	38,190	34,410	36,709	39,345	46,973	47,553	55,142	59,683	64,701	64,723	79,580	93,506	96,380
South Korea	122,772	89,184	117,783	134,903	131,627	156,624	177,810	202,074	239,618	274,209	304,113	273,420	243,334	301,528	322,884	324,812
Sri Lanka	1,895	2,266	2,362	2,366	2,341	2,926	3,145	3,465	4,075	4,882	5,680	7,238	8,149	9,835	11,420	11,271
Taiwan	73,199	69,709	80,123	91,389	82,286	88,021	94,960	103,695	112,256	120,049	123,394	127,573	115,777	132,653	143,560	140,846
Thailand	27,306	18,746	20,424	21,200	20,568	24,841	28,134	32,740	36,107	41,203	48,716	53,026	51,719	59,723	66,038	69,531
Vietnam	3,185	3,253	3,412	3,644	3,835	4,138	4,767	5,504	6,295	7,167	8,280	10,013	10,910	11,895	13,663	15,062

Appendix table 6-2

Value added of KTI industries, by region/country/economy: 1997–2012

(Millions of current dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Australia/Oceania																
Australia	126,701	114,230	126,604	124,028	117,186	131,957	169,248	205,589	229,520	247,555	297,077	320,681	371,997	469,385	565,266	592,743
New Zealand	17,167	14,608	15,225	13,538	13,651	16,311	22,034	27,026	31,187	30,508	35,912	35,570	32,994	41,209	50,207	52,642

EU = European Union; KTI = knowledge and technology intensive.

NOTES: Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. KTI industries include knowledge intensive (KI) services and high technology (HT) manufacturing industries classified by Organisation for Economic Co-operation and Development. KI services include education, health, and business, financial, and communications services. HT manufacturing industries include aerospace, communications and semiconductors, computers and office machinery, pharmaceuticals, and scientific instruments and measuring equipment. Data are not available for EU members Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See appendix table 6-1 for a full list of countries/economies in each region.

SOURCE: IHS Global Insight, special tabulations (2013) of the World Industry Service database.

Science and Engineering Indicators 2014