

TCW Global Technology Composite Performance

ASSET-WEIGHTED AND TIME-WEIGHTED RATES OF RETURN

	Annual Return		MSCI AC World	# of	Total Composite Assets at		Composite	Composite 3-Year	Benchmark 3-Year	Total Firm
	Gross (%)	Net (%)	Information Technology Sector IMI Index (%)		Portfolios	End of Period (U.S.\$ millions)				
2008	-48.17	-48.71	-44.64	3	51.87	—	—	26.94	21.18	52,919
2009	92.73	90.91	60.75	2	87.45	—	—	30.76	24.59	59,123
2010	35.95	34.60	13.62	2	136.32	—	—	31.85	27.22	40,805
2011	-1.73	-2.71	-5.97	2	125.51	—	—	25.38	21.13	81,764
2012	13.30	12.17	15.50	3	135.51	0.07	—	22.98	18.95	102,490
2013	43.82	42.39	28.51	3	180.16	0.08	—	20.60	14.44	109,920
2014	-0.14	-1.14	14.21	2	55.84	0.27	—	18.86	11.55	144,768
2015	8.84	7.75	3.75	2	51.48	0.31	—	18.00	11.29	165,036
2016	5.54	4.49	12.74	1	0.06	100.00	—	20.05	13.36	177,187
2017	34.18	32.84	41.44	1	0.06	100.00	—	16.43	13.63	191,104

The TCW Group, Inc. is divided into three divisions: the Marketable Securities Division; the Alternative Products Division; and the Managed Accounts Division. On February 23, 2010, The TCW Group, Inc. acquired Metropolitan West Asset Management. On January 1, 2011, the Marketable Securities Division and Metropolitan West Asset Management completed a merger. Accordingly, effective January 1, 2011, Metropolitan West Asset Management was included within the Firm definition.

- Effective January 1, 2000, the Marketable Securities Division was established to provide investment advisory services in the marketable securities area. *The Marketable Securities Division is defined as the Firm for purposes of reporting performance in accordance with the Global Investment Performance Standards.
- The Marketable Securities Division of TCW Group, Inc. claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS® standards. The Marketable Securities Division has been independently verified for the periods January 2000 through December 2017. The verification reports are available upon request. Verification assesses whether (1) the Firm has complied with all the composite construction requirements of the GIPS® standards on a firm-wide basis and (2) the Firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS® standards. Verification does not ensure the accuracy of any specific composite presentation.
- From January 2010 onward, results are for portfolios present for an entire month. Prior to 2010, results were calculated using portfolios present for an entire quarter. The Composite includes all portfolios managed in the strategy, except for those subject to material client restrictions, which are, therefore, deemed non-discretionary.
- Results are time-weighted and geometrically linked to yield quarterly returns, and include all items of income, gain and loss.
- Results are based on trade-date transactions.
- A complete list and description of Firm composites is available upon request.
- The internal dispersion of annual returns is measured by the standard deviation across asset-weighted portfolio returns represented within the composite for the full year. Periods with five or fewer portfolios are not statistically representative and are not presented.
- Asset-weighted results use beginning of period market values. Unless stated otherwise, asset-weighted results are shown for the entire period. Equal-weighted results represent the simple average of all composite portfolios present for the entire period.
- The currency used to express performance is U.S. dollars.
- Gross results do not reflect the deduction of management fees and other custodial fees. Including these costs would reduce the shown returns. Net results reflect the deduction of the maximum standard fee charged to U.S. institutional clients without taking into account breakpoints. Certain clients could pay a significantly higher or lower fee which would result in different net returns. A fee which is 0.50% higher than the standard U.S. institutional fee will result in the total return being reduced, over five years, by 2.53% on a compound basis.

Net results do not include the deduction of custodial fees or other administrative expenses, which will also reduce the returns shown. Prior to August 2010 net returns were calculated arithmetically, afterwards net returns were calculated geometrically.

- TCW makes no representation that future investment performance will conform to past performance and it should never be assumed that past performance foretells future performance.
- Policies for valuing portfolios, calculating performance, and preparing compliant presentations are available upon request.
- There is no minimum asset level for portfolios included in the composite.
- These results have been prepared and presented in compliance with GIPS® since inception.
- This GIPS®-compliant composite was created in 2Q 2000.
- The Composite is composed of portfolios whose objective is to outperform the benchmark over the long term by investing in technology-related industries. While TCW's objective is to outperform the stated benchmark, it does not imply that this strategy shall share, or attempt to share, the same or similar characteristics of the benchmark or attempt to track the benchmark.
- The benchmark: MSCI AC World Information Technology Sector IMI. The Morgan Stanley Capital International World Information Technology Sector Investible Market Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance in developed and emerging markets. It is composed of the stocks in the MSCI AC World IMI which are classified under the Information Technology sector in the GICS classification scheme.
- The Composite's U.S. institutional fee schedule is as follows: 0.75% on all assets
- Leverage or derivatives are not used in the management of this composite.
- Withholding tax is not deducted from the portfolios contained in the composite.
- There are not any known inconsistencies between the local laws that the composite adheres to and the GIPS®.
- There are not any known inconsistencies between the chosen source of exchange rates and those of the benchmark.
- Effective July 1, 2012, the composite changed its name from TCW Technology to TCW Global Technology to reflect the global nature of the strategy.
- The benchmark changed from the Lipper Science & Technology Funds Average to the MSCI AC World Information Technology Sector IMI, effective July 1 2013, to reflect a performance benchmark based on the global nature of the strategy.
- In 4Q 2012 Chang Lee and Mike Olson were elevated to co-portfolio managers joining Brendt Stallings. Effective 1Q 2013, Mr. Stallings left the Firm. Effective May 20, 2015, Mr. Olson left the Firm. On March 1, 2017, Jeffrey Lin and Thomas Lee took over portfolio management of the strategy.

Source: TCW