

Übersicht

Projekt	Geothermal sample 05
Szenario	Base scenario (P50)
Stand	5/27/2011

Projekt

Projekttyp	Geothermal Power Plant
Entwickler	NA
Betreiber	NA
Projektname	Geothermal sample 05
Projektstatus	Im Betrieb
Projektversion	1.5.5.0103

Projektdaten

Betriebsstart	1-Jul-2011
Laufzeit	25
Enddatum	30-Jun-36
Währung	EUR

Energieproduktion und Tarife

Bruttoproduktion inkl. Wirkungsgrad [kWh]	31,787,958
Nettoproduktion (P50)	31,787,958
Nettoproduktion (P75)	30,715,925
Nettoproduktion (P90)	29,751,062
Tarif 1. Jahr [EUR/kWh]	0.2254
Tarif 21. Jahr [EUR/kWh]	0.1725
Inflationsrate für Einnahmen	3%

Finanzierung

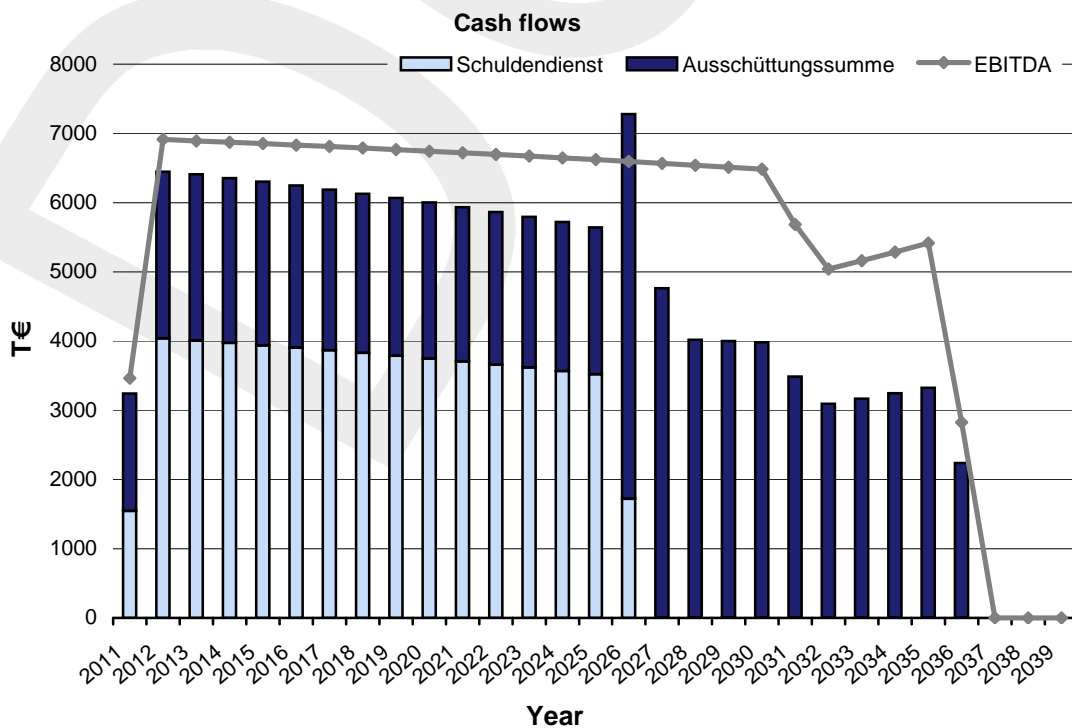
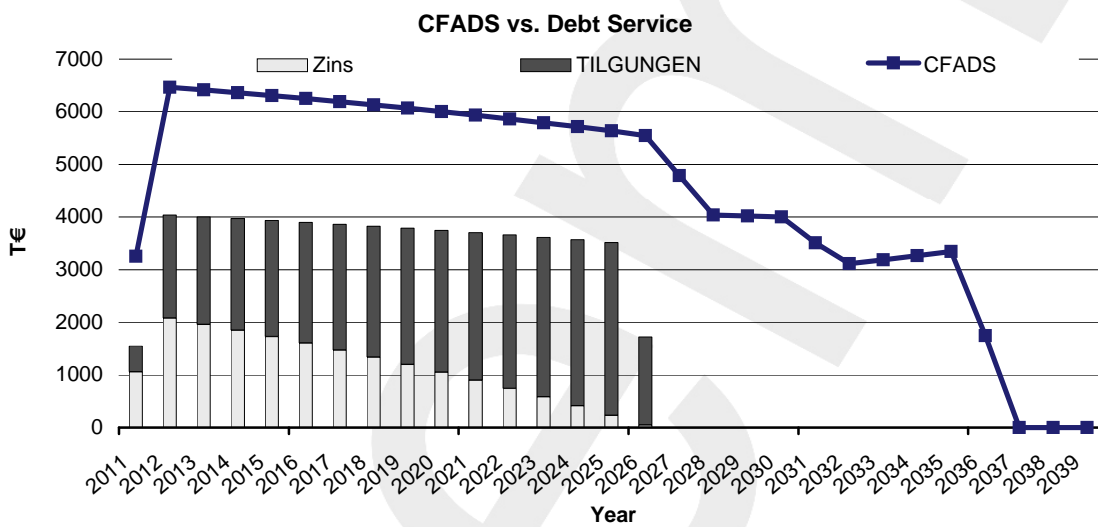
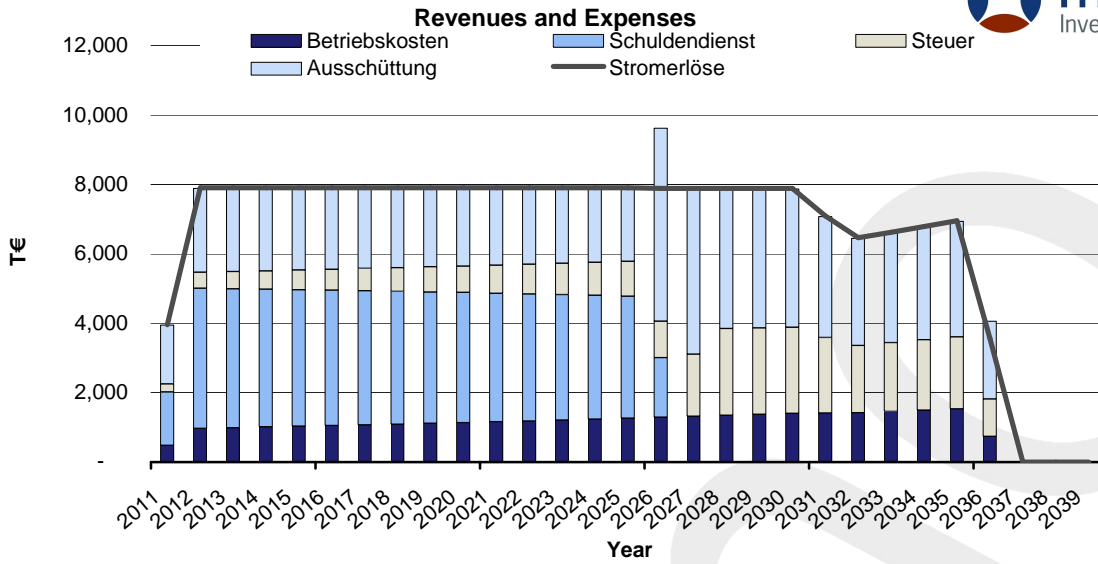
Fremdkapital	Senior	Sub	Erstrisiko
Betrag [EUR]	38,136,449	0	0
Ausgabedatum	1-Jul-2011	NA	NA
Laufzeit [Jahre]	15	NA	NA
Fälligkeitstag	30-Jun-2026	NA	NA
Tilgungsfreie Periode [Jahre]	0.0	NA	NA
Zinssatz	5.55%	NA	NA
Min. Schuldendienst-Deckungsgrad	1.6	NA	NA
DSCR Min.	1.602	NA	NA
DSCR Durchschn.	1.634	NA	NA
Eigenkapital			
Betrag [EUR]	22,657,000		
Einzahltag	1-Jul-2011		
Eigenkapital Zinsfuß (Vorgabe)	12.0%		
Eigenkapital Zinsfuß	12.0%		

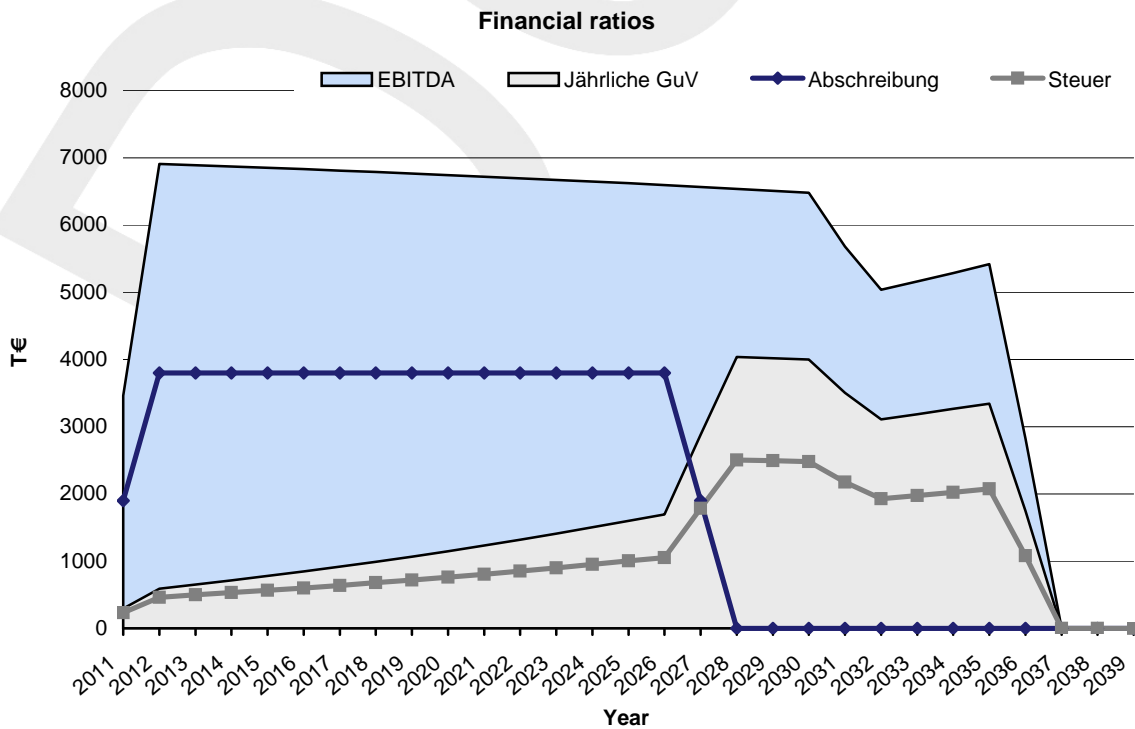
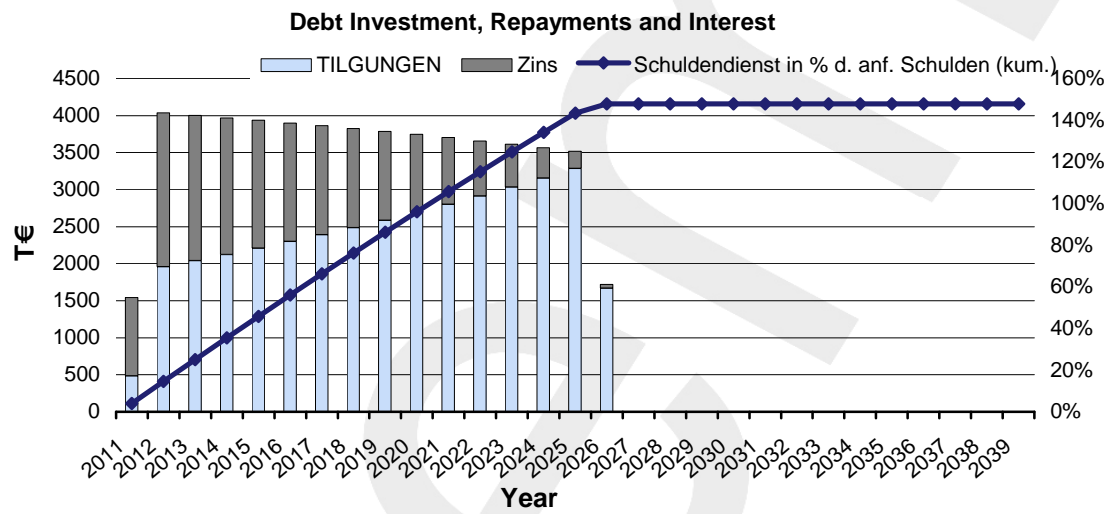
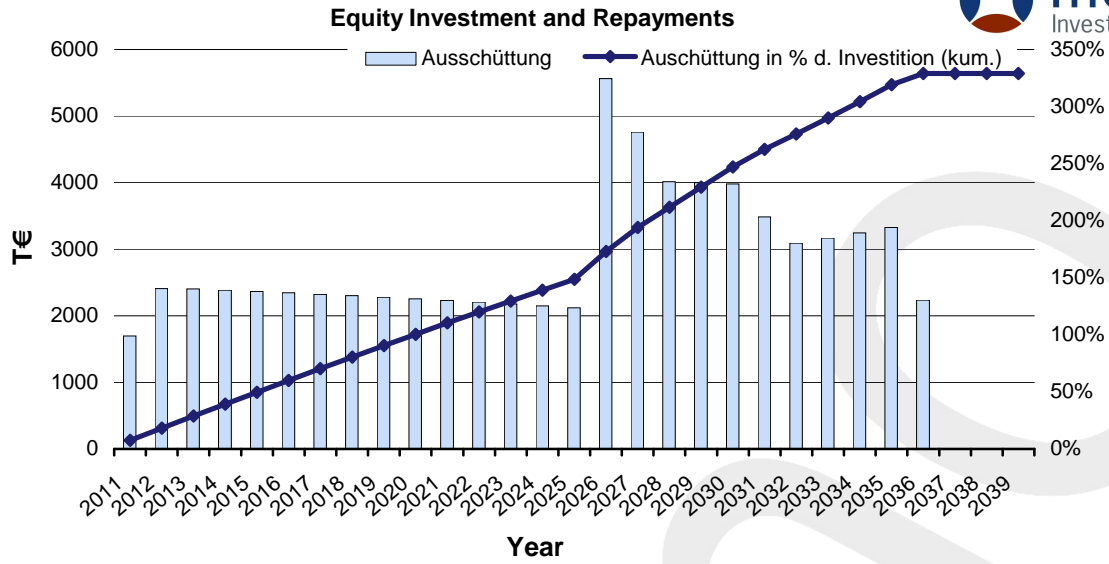
Finanzierungskennzahlen

Eigenkapital in %	37%
Vorrangiger Anteil in %	63%
Nachrangiger Anteil in %	0%
Erstrisiko-Anteil in %	0%
Fremdkapital in %	63%
Investitionskosten [EUR / kWp]	15,198
Parkpreis [EUR / kWp]	14,695

Technische Kennzahlen

	P50	P75	P90
Investitionskosten [EUR / kWh]	0.0765	0.0792	0.0817
Parkpreis [EUR / kWh]	0.0740	0.0765	0.0790
Lebensdauer adjustierter Parkpreis [EUR / kWh]	0.0740	0.0765	0.0790
Volllaststunden [h]	7,947	7,679	7,438
Kapazitätsfaktor	91%	88%	85%





Bilanz

Projekt Geothermal sample 05
 Szenario Base scenario (P50)
 Stand Geothermal sample 05

SUMME														
Finanzjahr	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kalendarjahr	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Stromerlöse														
Nettoleistung	743,776,555	14,875,531	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062
Einspeise-Tarif		0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568
Ertrag nach Szenario	191,206,334	3,941,745	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489
Zinserträge aus Liquidität	347,841	20,134	20,234	20,272	20,310	20,342	20,367	20,386	20,398	20,403	20,401	20,391	20,373	20,347
Gesamterträge	191,554,175	3,961,879	7,903,724	7,903,761	7,903,799	7,903,831	7,903,857	7,903,875	7,903,888	7,903,893	7,903,890	7,903,881	7,903,863	7,903,837
Betriebskosten														
Miet-/Pachtkosten	3,558,566	55,000	112,200	114,444	116,733	119,068	121,449	123,878	126,355	128,883	131,460	134,089	136,771	139,507
Beratungskosten	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Versicherung	2,588,048	40,000	81,600	83,232	84,897	86,595	88,326	90,093	91,895	93,733	95,607	97,520	99,470	101,459
Wartung	5,564,304	86,000	175,440	178,949	182,528	186,178	189,902	193,700	197,574	201,525	205,556	209,667	213,860	218,138
Eigener Energieverbrauch	13,872,252	187,432	386,109	397,693	409,623	421,912	434,569	447,606	461,035	474,866	489,112	503,785	518,899	534,466
Sonstige Kosten	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Betriebs-/Verwaltungskosten	5,209,180	108,398	216,796	216,796	216,796	216,796	216,796	216,796	216,796	216,796	216,796	216,796	216,796	216,796
Gesamtkosten	30,792,350	476,830	972,145	991,113	1,010,577	1,030,548	1,051,043	1,072,073	1,093,655	1,115,802	1,138,531	1,161,857	1,185,796	1,210,365
Rückbau-Reservekonto	6,250,000	10,000	30,000	50,000	70,000	90,000	110,000	130,000	150,000	170,000	190,000	210,000	230,000	250,000
Schuldendienst														
Zinskosten	18,289,478	1,057,407	2,078,066	1,961,928	1,847,067	1,727,606	1,603,356	1,474,117	1,339,684	1,199,842	1,054,366	903,024	745,571	581,754
Tilgung	38,136,449	486,667	1,958,631	2,041,852	2,123,883	2,209,305	2,298,262	2,390,891	2,487,358	2,587,820	2,692,442	2,801,405	2,914,897	3,033,100
Schuldendienst	56,425,927	1,544,074	4,036,697	4,003,781	3,970,951	3,936,912	3,901,618	3,865,008	3,827,042	3,787,662	3,746,808	3,704,428	3,660,468	3,614,854
DSCR Senior (Durchschn.)		2.107	1.602	1.602	1.602	1.602	1.602	1.602	1.602	1.602	1.602	1.602	1.602	1.602
DSCR Sub (Durchschn.)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ausschüttung														
Verfügbares Cashflow für Ausschüttung	66,275,732	1,699,173	2,400,092	2,360,276	2,320,512	2,280,021	2,238,774	2,196,736	2,153,880	2,110,174	2,065,581	2,020,071	1,973,607	1,926,149
Ausschüttungssumme	74,539,181	1,699,173	2,410,092	2,406,535	2,386,727	2,366,840	2,346,221	2,324,841	2,302,663	2,279,664	2,255,808	2,231,061	2,205,387	2,178,756
Steuer														
Abschreibung	60,793,449	1,899,795	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591	3,799,591
Steuer	31,810,166	231,802	464,790	498,592	531,760	566,350	602,422	640,059	679,311	720,255	762,970	807,524	853,991	902,469
Finanzkennzahlen														
EBITDA	160,413,984	3,464,915	6,911,344	6,892,376	6,872,913	6,852,941	6,832,447	6,811,416	6,789,835	6,767,687	6,744,958	6,721,632	6,697,693	6,673,124
EBIDA	128,603,819	3,233,113	6,446,555	6,393,785	6,341,153	6,286,591	6,230,025	6,171,358	6,110,524	6,047,432	5,981,989	5,914,108	5,843,702	5,770,656
EBIT	99,620,535	1,565,120	3,111,754	3,092,786	3,073,322	3,053,350	3,032,856	3,011,826	2,990,244	2,968,096	2,945,368	2,922,042	2,898,103	2,873,534
EBT	81,678,898	527,847	1,053,922	1,151,129	1,246,565	1,346,086	1,449,868	1,558,095	1,670,958	1,788,658	1,911,403	2,039,409	2,172,905	2,312,127
Jährliche GuV	49,868,732	296,045	589,132	652,538	714,805	779,736	847,446	918,036	991,647	1,068,403	1,148,433	1,231,885	1,318,914	1,409,658

Bemerkung:

EBIT = Operatives Ergebnis

EBT = Ergebnis vor Steuer

Jährliche GuV = Jahresüberschuss

Bilanz

Projekt
Szenario
Stand

Finanzjahr	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Kalendarjahr	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Stromerlöse															
Nettoleistung	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	29,751,062	14,875,531	-	-	-
Einspeise-Tarif	0.1568	0.1568	0.1568	0.1568	0.1568	0.1568	0.1647	0.1777	0.1830	0.1885	0.1941	0.2000	-	-	-
Ertrag nach Szenario	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,883,489	7,092,005	6,463,118	6,621,684	6,785,006	6,953,228	3,563,249	-	-	-
Zinserträge aus Liquidität	20,269	2,900	3,100	3,300	3,500	3,700	3,900	4,100	4,300	4,500	4,700	4,900	-	-	-
Gesamterträge	7,903,759	7,886,389	7,886,589	7,886,789	7,886,989	7,887,189	7,095,905	6,467,218	6,625,984	6,789,506	6,957,928	3,568,149	-	-	-
Betriebskosten															
Miet-/Pachtkosten	145,143	148,046	151,006	154,027	157,107	160,249	163,454	166,723	170,058	173,459	176,928	90,233	-	-	-
Beratungskosten	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Versicherung	105,558	107,669	109,823	112,019	114,260	116,545	118,876	121,253	123,678	126,152	128,675	65,624	-	-	-
Wartung	226,950	231,489	236,119	240,842	245,658	250,572	255,583	260,695	265,909	271,227	276,651	141,092	-	-	-
Eigener Energieverbrauch	567,015	584,025	601,546	619,592	638,180	657,325	677,045	697,356	718,277	739,825	762,020	392,440	-	-	-
Sonstige Kosten	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Betriebs-/Verwaltungskosten	216,796	216,796	216,796	216,796	216,796	216,796	195,030	177,736	182,096	186,588	191,214	48,995	-	-	-
Gesamtkosten	1,261,462	1,288,025	1,315,290	1,343,275	1,372,001	1,401,487	1,409,988	1,423,763	1,460,018	1,497,251	1,535,488	738,385	-	-	-
Rückbau-Reservekonto	290,000	310,000	330,000	350,000	370,000	390,000	410,000	430,000	450,000	470,000	490,000	-	-	-	-
Schuldendienst															
Zinskosten	233,959	50,522	3,800	3,400	3,000	2,600	2,200	1,800	1,400	1,000	600	100	-	-	-
Tilgung	3,284,462	1,669,254	-	-	-	-	-	-	-	-	-	-	-	-	-
Schuldendienst	3,518,421	1,719,776	3,800	3,400	3,000	2,600	2,200	1,800	1,400	1,000	600	100	-	-	-
DSCR Senior (Durchschn.)	1.602	3.224	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DSCR Sub (Durchschn.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ausschüttung															
Verfügbares Cashflow für Ausschüttung	1,828,100	3,514,809	4,450,377	3,686,268	3,648,857	3,610,969	3,097,479	2,681,111	2,736,908	2,795,046	2,855,589	1,747,510	-	-	-
Ausschüttungssumme	2,122,453	5,561,720	4,760,377	4,016,268	3,998,857	3,980,969	3,487,479	3,091,111	3,166,908	3,245,046	3,325,589	2,237,510	-	-	-
Steuer															
Abschreibung	3,799,591	3,799,591	1,899,795	-	-	-	-	-	-	-	-	-	-	-	-
Steuer	1,005,775	1,053,779	1,787,123	2,503,846	2,493,131	2,482,133	2,176,238	1,930,544	1,977,657	2,026,209	2,076,252	1,082,154	-	-	-
Finanzkennzahlen															
EBITDA	6,622,028	6,595,464	6,568,199	6,540,214	6,511,488	6,482,003	5,682,017	5,039,355	5,161,666	5,287,756	5,417,740	2,824,864	-	-	-
EBIDA	5,616,252	5,541,685	4,781,077	4,036,368	4,018,357	3,999,869	3,505,779	3,108,811	3,184,008	3,261,546	3,341,489	1,742,710	-	-	-
EBIT	2,822,437	2,795,874	4,668,404	6,540,214	6,511,488	6,482,003	5,682,017	5,039,355	5,161,666	5,287,756	5,417,740	2,824,864	-	-	-
EBT	2,608,747	2,748,252	4,667,704	6,540,114	6,511,988	6,483,103	5,683,717	5,041,655	5,164,566	5,291,256	5,421,840	2,829,664	-	-	-
Jährliche GuV	1,602,972	1,694,472	2,880,582	4,036,268	4,018,857	4,000,969	3,507,479	3,111,111	3,186,908	3,265,046	3,345,589	1,747,510	-	-	-

Bemerkung:

EBIT = Operatives Ergebnis

EBT = Ergebnis vor Steuer

Jährliche GuV = Jahresüberschuss