# INCOME FROM TRACKS EXPLANATION

This is a guide to understand the main logic behind our Company's income estimation calculations. In order to facilitate ourselves. The calculations were made by using Microsoft Office Excel.

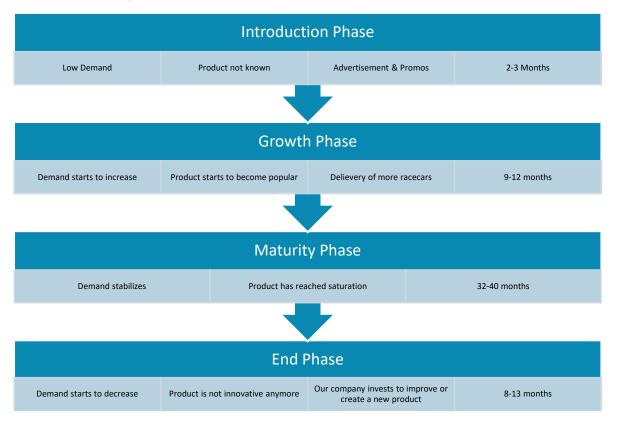
# **QUICK INTRODUCTION**

As we have analyzed before the demand for our racecars is not stable during the 5 year period that we lease our racecars to the tracks. At the first months there is very low demand (Introduction Phase). Gradually as we are getting known there is a slight increase in demand. During this demand growth more cars are delivered to the tracks (Growth Phase). After that period, the demand reaches its highest point and then stabilizes (Maturity Phase). The final stage of the maturity phase where the demand starts to decrease is called End Phase.

We analyze the expected demand in these phases separately and then we allocate the income to each respective year in order to find out our annual profits. For 15 tracks that we have already signed a contract a very detailed study has been made. For the rest expected tracks we calculate the possible income based on the data we have made for these 15 tracks.

# **TRACK ESTIMATED INCOME**

### Let's talk about phases





- •Growth Phase is splitted into 2 or 3 sub-phases depending on the number of racecars the track has at a certain point. Because of the increase in demand, new cars are delievered to the tracks at the growth phase.
- •Maturity Phase is splitted into 3 or 4 sub-phases in order to better division of our income through time. That's because the maturity phases lasts more than the other phases.

# **EXPLANATION OF EACH PHASE SEPARETELY**

Now we have to move to the Expected Revenue Sheets. Pick a random track and this guide will help you understand how we calculated our revenue.

The tables on the top are the tables where our total results are calculated (see picture below)

PHASES	INTRO	3	GROW 1	1	GROW 2	9			MAT 1	15	MAT 2	12	MAT 3	12			END PHASE	
MONTHS	TOTAL INCOME	STRT Y	STRT M	END Y	END M	RETURN %	INCOME AFTER TAX	TRACK PROFIT	INCOME AFTER TAX & TRACK	INCOME PER CAR	INCOME PER ACCUMULATOR	PROFIT	RACES	RACES/MONTH	CARS	ACCU	BREAK	
3	41.746,73€	a	6	0	9	26,0%	31.727,51€	1.927,45 €	29.178,36€	6.965,94 €	262,92 €	29.178,36 €	1683	561	4	5	0	
1	18.661,97€	a	9	0	10	26,0%	14.183,10€	1.580,37€	12.395,49€	2.529,04€	455,87€	12.395,49€	752	752	4	5	0	
9	241.742,66€	a	10	1	7	26,0%	183.724,42€	24.123,25€	157.736,07€	24.862,13€	4.775,06€	157.736,07€	9747	1083	5	7	1	
15	521.025,02€	1	7	2	10	26,0%	395.979,01€	63.546,04 €	329.324,47 €	48.526,29 €	12.384,72€	329.324,47 €	21000	1400	5	7	1	
12	385.752,68€	2	10	3	10	26,0%	293.172,04€	44.697,93€	245.987,31€	35.863,81€	9.524,04€	245.987,31€	15552	1296	5	7	1	
12	330.090,38€	3	10	4	10	26,0%	250.868,69€	33.699,06€	214.682,83€	33.378,57€	6.827,14€	214.682,83€	13308	1109	5	7	1	
8	163.966,47€	4	10	5	6	26,0%	124.614,51€	11.381,91€	111.574,74€	19.406,38€	2.077,55€	111.574,74€	6608	826	5	7	1	
60	1.702.985,91€						1.294.269,29€	180.956,01€	1.100.879,28€	171.532,2€	36.307,28€	1.100.879,28€	68650	1004				
60	1.702.985,91€				MONTH	ILY.	1.294.269,29€	180.956,01€	1.100.879,28€	171.532,2€	36.307,28€		68650	YEARLY				
60 MONTHS	1.702.985,91€ TOTAL INCOME	TRACK PROFIT	AFTER TAX		MONTH			180.956,01 € PROFIT PER MONTH	1.100.879,28€ MC23	171.532,2 € TOTAL INCOME	36.307,28 € TRACK PROFIT	1.100.879,28 €	68650		MORT	MCIS		
			AFTER TAX 12.771,05 €		MONTH							INCOME AFTER		YEARLY	монт 76.626,31 €	MCES 4.501		
	TOTAL INCOME	1.478,09€			MONTH	INCOME PER CAR	INCOME PER ACCUMULATOR	PROFIT PER MONTH	MACES	TOTAL INCOME 114.129,29 €	TRACK PROFIT	INCOME AFTER TAXETRACK	INCOME PER CAR	YEARLY INCOME PER ACCUMULATOR				
MONTHS 6	TOTAL INCOME 19.021,55 €	1.478,09 € 3.328,71 €	12.771,05 €		MONTH	INCOME PER CAR 2.503,32 €	INCOME PER ACCUMULATOR 296,65 €	PROFIT PER MONTH 12.771,05 €	RACES 767	TOTAL INCOME 114.129,29 €	TRACK PROFIT 8.868,55 €	INCOME AFTER TAXBINACK 76.626,31 €	INCOME PER CAR 15.019,90 €	YEARLY INCOME PER ACCUMULATOR 1.779,91 €	76.626,31€	4.601		
MONTHS 6 12	TOTAL INCOME 19.021,55 € 30.141,42 €	1.478,09 € 3.328,71 € 4.151,14 €	12.771,05 € 19.371,54 €		MONTH	INCOME PER CAR 2.503,32 € 2.959,39 €	INCOME PER ACCUMULATOR 296,65 € 653,51 €	PROFIT PER MONTH 12.771,05 € 19.371,54 €	RACES 767 1.215	T0TALINCOME 114.129,29 € 361.697,08 €	TRACK PROFIT 8.868,55 € 39.944,54 €	NECOME AFTER TAXBITMACK 76.626,31 € 232,458,44 €	INCOME PER CAR 15.019,90 € 35.512,64 €	YEARLY INCOME PER ACCUMULATOR 1.779,91 € 7.842,17 €	76.626,31 € 232,458,44 €	4.601 14.581		
MONTHS 6 12 12	TOTAL INCOME 19.021.55 € 30.141.42 € 34.303.51 €	1.478,09 € 3.328,71 € 4.151,14 € 3.572,07 €	12.771,05 € 19.371,54 € 21.712,29 €		MONT	INCOME PER CAR 2.503,32 € 2.959,39 € 3.194,01 €	INCOME PER ACCUMULATOR 296,65 € 653,51 € 820,32 €	PROFIT PER MONTH 12.771,05 € 19.371,54 € 21.712,29 €	RACES 767 1.215 1.383	TOTALINCOME 114.129,29 € 361.697,08 € 411.642,13 €	TRACK PROFIT 8.868,55 € 39.944,54 € 49.813,68 €	NEDME AFTER TAXETRACK 76.626,31 € 232,458,44 € 260.547,53 €	INCOME PER CAR 15.019,90 € 35.512,64 € 38.328,16 €	YEARLY INCOME PER ACCUMULATOR 1.779,91 € 7.842,17 € 9.843,82 €	76.626,31 € 232.458,44 € 260.547,53 €	4.601 14.581 16.592		
MONTHS 6 12 12 12	TOTAL INCOME 19.021,55 € 30.141,42 € 34.303,51 € 31.372,97 €	1.478,09 € 3.328,71 € 4.151,14 € 3.572,07 € 2.577,34 €	12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 €		MONT	INCOME PER CAR 2.503,32 € 2.959,39 € 3.194,01 € 2.954,13 €	INCOME PER ACCUMULATOR 296,65 € 653,51 € 820,32 € 756,21 €	PROPIT PER MONTH 12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 €	RACES 767 1.215 1.383 1.265	TOTAL INCOME 114.129,29 € 361.697,08 € 411.642,13 € 376.475,63 €	TRACK PROPIT 8.868,55 € 39.944,54 € 49.813,68 € 42.864,78 €	INCOME AFTER TAXBITMCK 76.626,31 € 232,458,44 € 260,547,53 € 240,769,90 €	INCOME PER CAR 15.019,90 € 35.512,64 € 38.328,16 € 35.449,60 €	YEARLY INCOME PER ACCUMULATOR 1.779,91 € 7.842,17 € 9.843,82 € 9.074,55 €	76.626,31 € 232.458,44 € 260.547,53 € 240.769,90 €	4.601 14.581 16.592 15.178		
MONTHS 6 12 12 12	TOTAL INCOME 19.021,55 € 30.141,42 € 34.303,51 € 31.372,97 € 26.338,91 €	1.478,09 € 3.328,71 € 4.151,14 € 3.572,07 € 2.577,34 €	12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 € 17.233,00 €		MONT	INCOME PER CAR 2.503,32 € 2.959,39 € 3.194,01 € 2.954,13 € 2.722,26 €	INCOME PER ACCUMULATOR 296,65 € 653,51 € 820,32 € 756,21 € 517,39 €	PROPIT PER MONTH 12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 € 17.233,00 €	RACES 767 1.215 1.383 1.265 1.062	TOTALINCOME 114.129.29 € 361.697,08 € 411.642,13 € 376.475,63 € 316.066,94 € 122.974,85 €	TRACK PROPIT 8.868,55 € 39.944,54 € 49.813,58 € 42.864,78 € 30.928,03 €	BICOME AFTER TAXBITRACK 76.626,31 € 232.458,44 € 260.547,53 € 240.769,90 € 206.796,04 €	INCOME PER CAR 15.019,90 € 35.512,64 € 38.328,16 € 35.449,60 € 32.667,07 €	YEARLY INCOME PER ACCUMULATOR 1.779,91 € 7.842,17 € 9.843,82 € 9.074,55 € 6.208,67 €	76.526,31 € 232.458,44 € 260.547,53 € 240.769,90 € 206.796,04 €	4.601 14.581 16.592 15.178 12.742		
MONTHS 6 12 12 12	TOTAL INCOME 19.021,55 € 30.141,42 € 34.303,51 € 31.372,97 € 26.338,91 € 20.495,81 €	1.478,09 € 3.328,71 € 4.151,14 € 3.572,07 € 2.577,34 € 1.422,74 €	12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 € 17.233,00 € 13.946,84 €		MONT	INCOME PER CAR 2.503,32 € 3.194,01 € 2.954,13 € 2.722,26 € 2.425,80 €	INCOME PER ACCUMULATOR 296,65 € 653,51 € 820,32 € 756,21 € 17,39 € 259,69 €	PROFIT PER MONTH 12.771,05 € 19.371,54 € 21.712,29 € 20.064,16 € 17.233,00 € 13.946,84 €	RACES 767 1.215 1.383 1.265 1.062 826	TOTALINCOME 114.129.29 € 361.697,08 € 411.642,13 € 376.475,63 € 316.066,94 € 122.974,85 €	TRACK PHOPHT 8.868,55 € 39.944,54 € 49.813,68 € 42.864,78 € 30.928,03 € 8.536,43 €	BICOME AFTER TAXBITRACK 76.626,31 € 232.458,44 € 260.547,53 € 240.769,90 € 206.796,04 € 83.681,06 €	INCOME PER GAR 15.019,90 € 35.512,64 € 38.228,16 € 35.449,60 € 32.667,07 € 14.554,79 €	YEARLY NCOME R8 ACCUMULATOR 1.779,91 € 7.842,17 € 9.843,82 € 9.074,55 € 6.208,67 € 1.558,16 €	76.526,31 € 232.458,44 € 260.547,53 € 240.769,90 € 206.796,04 € 83.681,05 €	4.601 14.581 16.592 15.178 12.742 4.956		

# **FIGURE 1: TOTAL RESULTS**

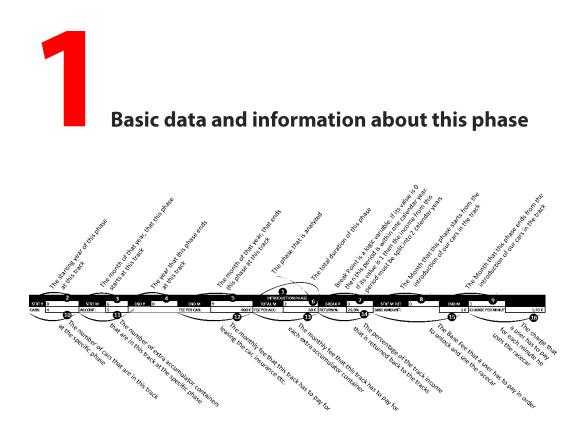
Let's move for now from these tables and let's see each phase seperately (see picture below)

																	1	
										SE							_	
STRT Y	0	STRTM	6	END Y	0	END M	9	TOTAL	M 3	BREAK P	0	STRT M TOT	0	END M	3			
CARS	4	ACCONE	5			FFF PFR CAR	4	00 € FEE PER A	-C- 60	E RETURN %	30.0%		BASE AMOUNT	2.6	CHARGE PER	1.44 F		
DAY	DAYS TOTAL		5		10		14		19		25	DAY	EAKNINGS TOTAL	users	minutes used	possible	osta Tatkselk	of onthe Turtles
-TW	2			1	2			2		2	2		449,42 €	9		960	3	8
M-TF	3				3			4		4	3		1.123,56 €	15		960	3	8
SS	2			3	7			9		8	7	823,94 €	1,647,89€	33	526	960	3	8
	GREECE			CAR MNT								SUM PER MONTH	14.005.04 €		EARN FROM A	520.81 €		
AT		VAT		3 CAR WOR								AL SUM PERIOD 1	42,015,13 €		TOTAL FROM	35,221,40 €		
711	2.4	1/31		TOTAL W								RNINGS PER CAR	8.805.35 €	100.	TOTAL FROM	6.793.73 €	-	
			_							EARNINGS		ATOR CONTAINER	1.358.75 €					
											TOTAL INC	OME AFTER TAXES	31.931,50 €	TRACK INCO	DME AFTER TAX	3.879,45€		
		_	7									CAR AFTER TAXES			VIE PER MONTH	1.293,15 €		
			4						TOTAL INCOME			NER AFTER TAXES	1.317,98 €		COME PER CAR	969,86 €		
												M ADVERTISEMENTS	84,15 €		R CAR/MONTH	323,29 €		
												AYMENT AND TAX	28.052,05€		TRICITY COSTS	621,70 €		
						_						D TAX PER MONTH	9.350,68 €	MAINT	ENANCE COSTS	- e		
		TRACKS	CARINFO			i						X PER CAR+ACCU PER CAR/MONTH	7.013,01 € 2.337.67 €		TOTAL COSTS	621,70 €		
		INACKS		OST OF LCA	R 30.000.00 €				INCOME AFT	IN TRACK PAT	MENTAND IA)	PERCARMONIN	2.337,07 €	1	RACK PROFIT	3,257,75€		
	CO	ST OF 1 AC			R 6.500.00 €								T		T PER MONTH	1.085.92 €		
	то	TC	TT												MONTH/CAR	271,48 €		
-TW	9	21	12						INCO	ME AFTER TRA	CK PAYMENT	AND TAX PER CAR	5.879,03 €					
MTF	9	21	12					INCOME	AFTER TRACK PAYN	ENT AND TAX			907,19 €					
SS	9	21	12									R CAR PER MONTH			TION MONTH	16		
											INCOME PER	ACCU PER MONTH	302,40 €	DEPRECIA	TION MONTH	22		

### **FIGURE 2: REVENUE FROM EACH PHASE**

We will analyze each area of this table according to the diagram above.

- 1. Basic data and information about this phase
- 2. Estimated users and uses of our racecars at this phase
- 3. Additional information about the track
- 4. Calculation of revenue and track profit

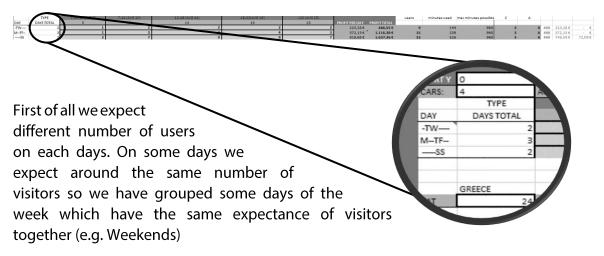


First, there is the phase indicator which shows the phase we are studying at this track. Other additional information is displayed for example the name of cars and accumulator containers the track has, the month that this phase will start or is expected to end, the charges etc. These information help us calculate our revenue in the following sheets.



# phase

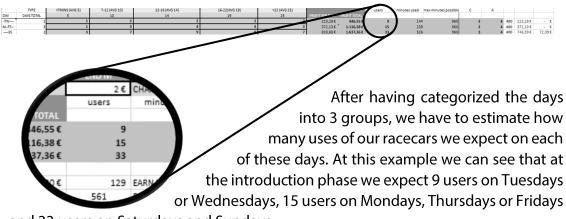
**1. DAYS CATEGORISATION** 



At this example we have made 3 groups based on the expected visitors on each day (1<sup>st</sup> group: Tuesday, Wednesday (2 days), 2<sup>nd</sup> group Monday, Thursday, Friday (3 days), 3<sup>rd</sup> group Saturday and Sunday (2 days)).

The days have been categorized according to the expected visitors study in our Track Study which can be found for Serres Autodrome at page XX.

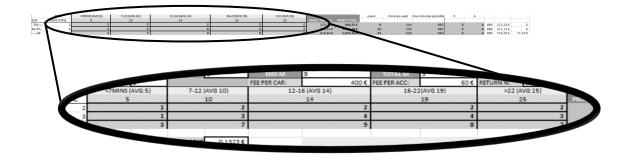
### 2. EXPECTED USERS



and 33 users on Saturdays and Sundays.

The expected users of each phase at each track have been added according to the expected visitors study in our Track Study which can be found for Serres Autodrome at business plan booklet - track analysis.

### 3. RACING TIME PER USER



We have estimated how many users we can expect at a random day at each phase but we do not know how much each user will be willing to race. That's why Aristurtle made a survey and studied both how much tracks allow drivers to race and how much drivers are willing to race and to pay. These studies can be found at business plan booklet. The results of this study is that 8% of the total users will race for less than 7 minutes, 21% for 7 to 12 minutes, 26% from 12 to 16 minutes, 24% from 16 to 22 minutes and 21% for more than 22 minutes.

So we divided the users according to this study and as a result if we take for example a random Friday at Serres out of 15 users, 1 will drive for less than 7

minutes, 2 will drive for 7 to 12 minutes, 4 for 12 to 16 minutes, 4 for 16 to 22 minutes and finally 3 will drive for more than 22 minutes.

In order to facilitate our calculations, we assume that all drivers at a specific racing time category will drive as much as the average time of this category. For example we assume that all 4 drivers who will drive for 12 to 16 minutes, drive for 14 minutes. This is a safe assumption as we estimate that the racing time is evenly distributed.

#### 4 480 223,28€ 4 480 372,13€ In order to find out how much we earn from SE AMOUNT our users we use the following 446.55€ formula: 223.28€ 372,13€ 1.116.38€ total earnings = [base or unlock fee] + 1.637,36€ 818,68€ (minutes of racing) \* [charge per minute] SUM PER WEEK 3.200.30€ M PER MONTH 13.915,58€ We calculate at first the revenue per day at each day A PERIOD 1 41.746.73 CAR group and then we calculate the total revenue per day group. By adding these we can calculate the total revenue per week. 5. TIME LIMITATIONS 3 4 480 223,28 6 · 6 3 4 480 872,18 6 · 6 3 4 480 776,59 6 72,09 6 Of course there is a **RGE PER MINU** 1.43 time limit of how much minutes used max minutes possible time our racecars can be 144 960 operated. This time limits depends 239 960 on how many racecars and accumulator 960 526 containers there are on the track. If our M CARS estimated expected users exceed that limit, then

4. CALCULATION OF INCOME

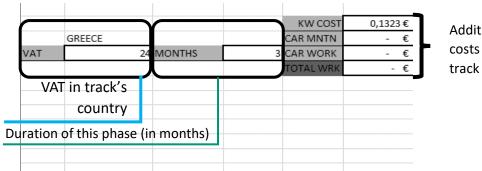
these users should be rearranged in order to cover these limitations. At the first column the total minutes that our racecars are used are displayed and in the second column the maximum minurtes that our racecars can be used in this track. In order to calculate this number we have taken under consideration the hours that the track is open, the cars and the accumulator containers on that track and the charging time that the accumulator need for a full charge (3 hours).

#### 4 480 223,28€ 4 480 372,13€ 4 480 746,59€ 19.16€ 12 Minutes that Revenue ars can be used without extra Turtlecells CALCULATOR Turtlecells without extra Turtlecells 360 223,28€ € 360 372.13€ € 258.74€ 360 559.94€ In order to have a clear view of how much money we earn from the extra accumulator containers, we want to calculate will be used. At the first column we can see how much when they time each car can be used without extra Turtlecells. As we can see in Serres where the track is open for 12 hours a day, each racecar can be used for a maximum of 3 times per day (1 hour available till the battery drains out and 3 hours for charging). In the next column we can see how many extra times our racecars can be available to be used with the extra accumulator containers. At the third column we can see the minutes that the cars can be used in total without the extra accumulator containers. Having these numbers we can calculate how much of the revenue is due to the racecar itself and how much revenue comes from the extra accumulator

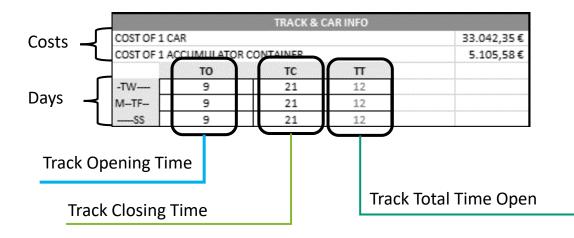
containers. Moreover these numbers are not entirely representative for the importance of the extra accumulator containers as these extra accumulator containers can be used during rush hours in order for us to be able to service more customers.

### 6. REVENUE PER ADDITIONAL ACCUMULATOR CONTAINERS



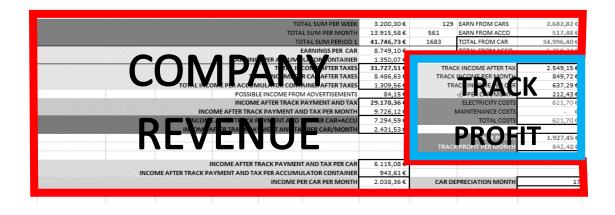


Additional costs for this track



- The track operation times are given in order to find out the minutes that our racecars can be operated on that track
- The racecar and accumulator container costs are given in order to calculate the depraciation point of each car or accumulator container





Last but not least we should calculated the total expected revenue from this track as well as the track's profit.

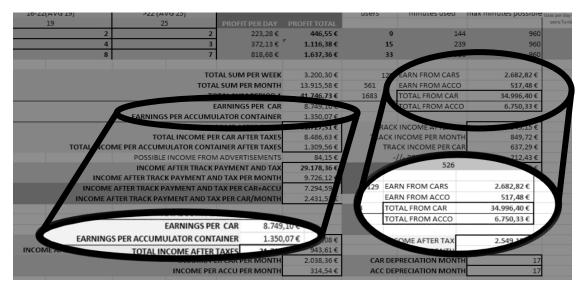
### Let's start from the total revenue.

1. CALCULATION OF TOTAL INCOME PER WEEK/MONTH/PERIOD (OR PHASE)

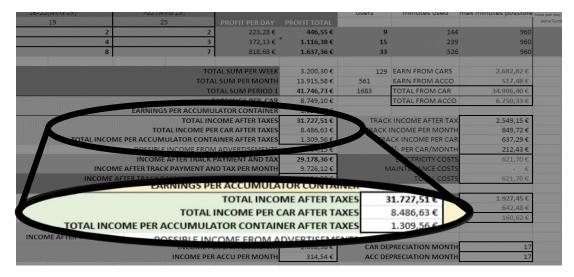
10-22(AVG 15) 22.	2 (AVG 25)			users	minutes used	max minutes possible	Uses per day
19	25	PROFIT PER DAY	PROFIT TOTAL				extra Turti
2	2	223,28 €	446,55€	9	144	960	
4	3	372,13€′	1.116,38€	15	239	960	
8	7	818.68€	1.637,36€	33	526	960	
	ΤΟΤΑ	LSUM PER WEEK	3.200,30€	129	EARN FROM CARS	2.682,82€	24
		SUM PER MONTH	13.915,58 €	561	EARN FROM ACCO	517,48€	
		AL SUM PERIOD 1	41.746,73 €	1683	TOTAL FROM CAR	34.996,40 €	
	And the second second second second	ENINGS PER CAR	41.1740,175 (	1000	TOTAL FROM ACCO	6.750,33€	
ARNI	NGS PER ACCUMULA		1.350,07€				
	TOTAL INCO	ME AFTER TAXES	31.727,51€	TRAC	K INCOME AFTER TAX	2.549,15€	
	TOTAL INCOME PER	CAR AFTER TAXES	8.486,63€	TRACK	INCOME PER MONTH	849,72€	
TOTAL V ZOME PER ACC	UMULATOR CONTAIL	NER AFTER TAXES	1.309,56€	TRA	ACK INCOME PER CAR	637,29€	
POSS	IBLE INCOME FROM A	DVERTISEMENTS	84,15€		-//- PER CAR/MONTH	212,43 €	11
INCO	OME AFTER TRACK PA	YMENT AND TAX	29.178,36€		ELECTRICITY COSTS	621,70 €	
INCOME AFTER TR	RACK PAYMENT AND	TAX PER MONTH	9.726,12€	N	AINTENANCE COSTS	- €	1. <sub>21</sub>
INCOME AFTER TRAC	TU DAVASCAIT AND TA	X PER CAR+ACCU	7.294,59€		TOTAL COSTS	621,70€	- 1971 - 1971 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972
			2.431,53€				
TOTAL SUM PER WEEK	2 200 20 6	•	100			1.927,45€	
	3.200,30€		129 EA			642,48€	
TOTAL SUM PER MONTH	13.915,58€	561	EARN	TRACK	PR PER MONTH/CAR	160,62€	
TOTAL SUM PERIOD 1	41.746,73€	1683	TOT				
ENINGS PER CAR	8.749,10€		2.038,36€	CAR DE	PRECIATION MONTH	17	
		UNIVIONTH	314,54€	ACC DE	PRECIATION MONTH	17	

At paragraph 2.4 we calculated the total income per day. By adding these numers we can calculate the total estimated income per week/month or the whole period/phase.

# 2. CALCULATION OF INCOME PER EACH CAR OR EXTRA ACCUMULATOR CONTAINERS



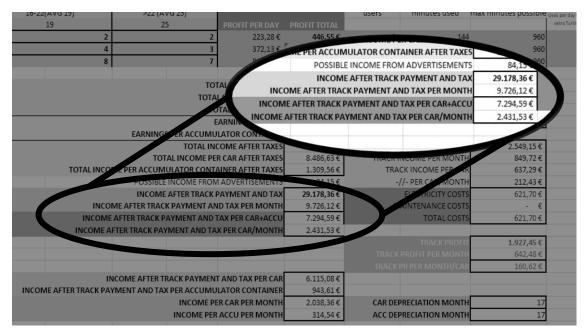
This section is showed in order to find out how much of this income comes from extra accumulator containers. Although as we mentioned above, these numbers are not entirelly representative for the importance of the extra accumulator containers as these extra accumulator containers can be used during rush hours in order for us to be able to service more customers.



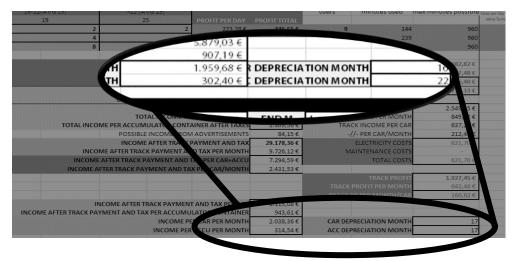
### 3. INCOME AFTER TAXES

At this point we have to calculate the VAT that we have tot pay to each country for our services. This number is then subtracted from the initial income. From the remaining amount the track will get then paid.

### 4. INCOME AFTER TAX & TRACK PAYMENT



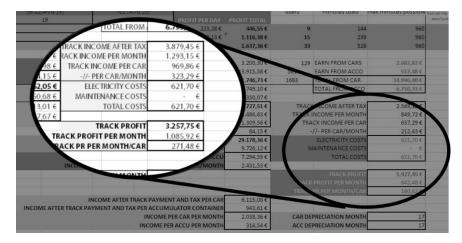
After the negatioated amount is paid to the tracks, then the remaining amount which is our profit from that track at that phase is calculated. This amount is then displayed both on a monthly basis and also per car on track and per extra accumulator container on track.



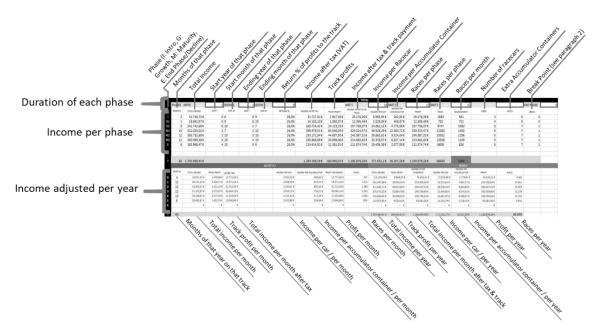
5. INCOME PER CAR/ PER EXTRA ACCUMULATOR CONTAINER AND CAR/ ACCUMULATOR CONTAINER DEPRECIATION MONTH

In order to calculate how profitable each car is at a cerain track we have the income per car and depreciation section, in which we can see in how many months each car covers its production costs.

# 6. TRACK PROFITS



Tracks are paid for the services they offer which include battery charging, regular checks, the safety and surveillance of the racecars and their use. Tracks are given a percentage of total profits which is pre determined. All maintenance costs including battery and tires change are covered by Aristurtle. Moreover we have calculated the cost of electricity for charging so here is presented the net profit of the tracks.



## **TOTAL RESULTS**

This detailed information is necessary for our income estimation but these tables are difficult to be read. That's why at the top of each track's datasheet there is an aggregate table on which only important and basic information is dispayed based on the sheets of each phase.