Finance and Fundraising



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REPUBLIKA SLOVENIJA MINISTRSTVO ZA GOSPODARSKI RAZVOJ IN TEHNOLOGIJO







My Bacground and what I do



Content

- Business and financial projections
- Basics about accounting & finance
- Investments
- Financial plans



What is your business objective?

Why are you here?



Why are numbers so important?

- Numbers stand behind any (important) business idea
- Numbers support any hypothesis
- Numbers are a universal global language that anyone understands (you, banks, investors)
- Finance gathers numbers in meaningful segments and groups and forms



What is your business goal?

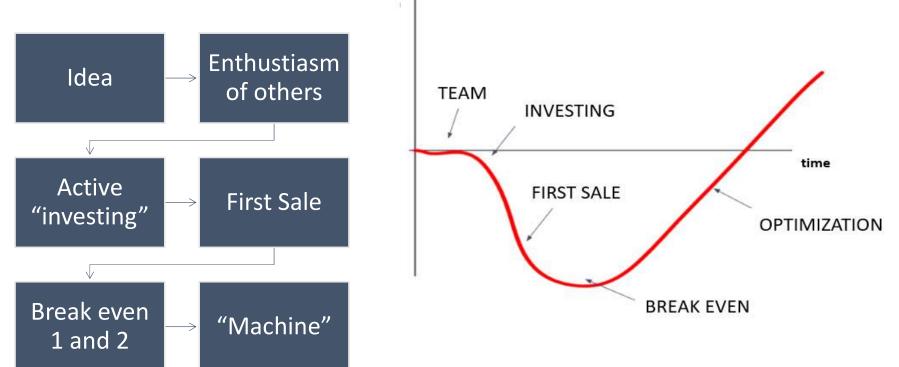
- Profit
- Positive difference between Revenues and Expenses
- Margin
- Margin and/or profit per unit
- Greater good...?
- If we are not profitable on long term...?



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Entrepreneurial Process







Main Questions I should ask Myself / My Team?

What stage of Entrepreneurial Process are we in?

What are known information?

What are our assumptions about the market?

What are we aware that we do not know?

How far in time can we have reliable information or assumptions?

What is our goal for the next 6 months? 12 months? 2 years? 3 years?

What is our alternative plan? If things do not work-out, how long do we persist until we pivot?

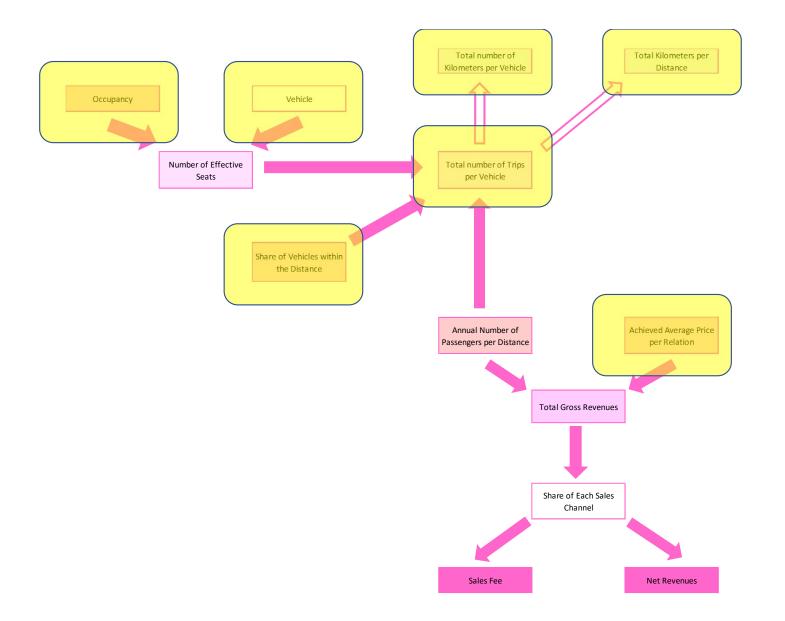
How much money do we have? How many months of 'life' do we have considered the current funds we have?

How much funding can we realistically obtain in the next 6 months?

To what level of detail should our business projections be prepared?

How can we verify the cost assumptions of our current state pilot product/solution?





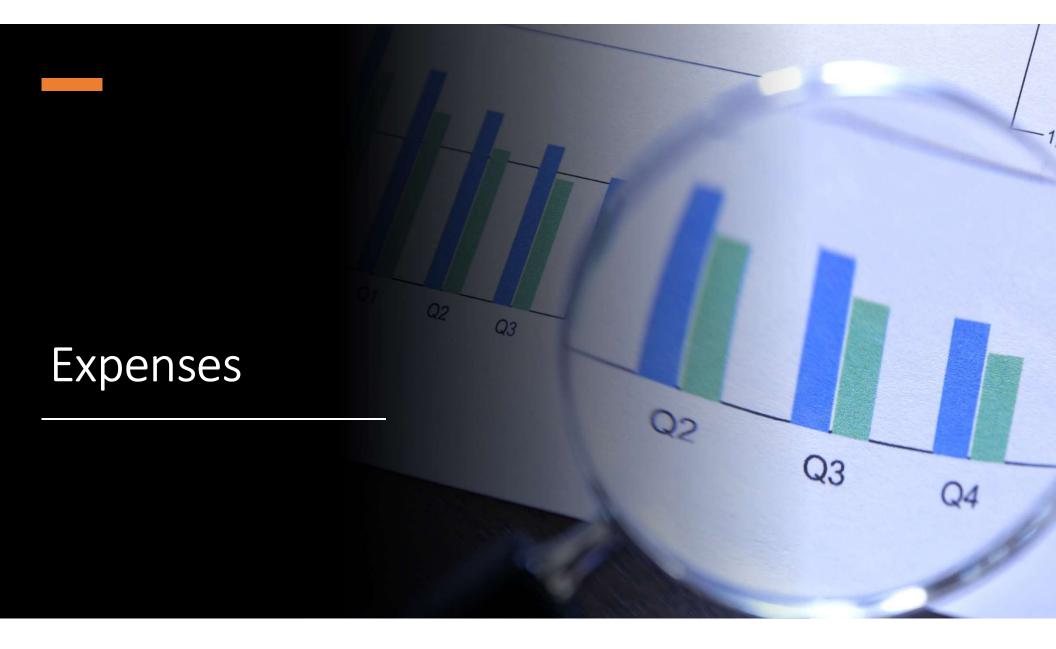




Income from Sales of Media Space		Y1	Y2	Y3	Y4	Y5
Size of the shopping area covered (m2)		200.000	500.000	1.000.000	2.500.000	5.000.000
Average number of shoppers per m2		5	5	5	5	5
Number of shoppers		1.000.000	2.500.000	5.000.000	12.500.000	25.000.000
% of shoppers with app installed		15%	20%	25%	30%	30%
% of shoppers with app ON		30%	33%	36%	39%	40%
Number of shoppers reached		45.000	165.000	450.000	1.462.500	3.000.000
Average # of MD per shopper per visit		5	6	7	8	10
MD number		225.000	990.000	3.150.000	11.700.000	30.000.000
Average AD / MD		0,10	0,10	0,10	0,10	0,10
AD number		22.500	99.000	315.000	1.170.000	3.000.000
Ad value		€ 0,15	€ 0,12	€ 0,09	€ 0,07	€ 0,05
Total Income		€ 33.750	€ 118.800	€ 283.500	€ 819.000	€ 1.500.000
Value per impression	€ 0,03	€ 0,03	€ 0,03	€ 0,03	€ 0,03	€ 0,03
Fixed price for use of platform	€ 10.000	€0	€ 0	€0	€ 0	€ 0
Free until number of impressions reached		10.000	10.000	10.000	10.000	10.000
Total Income from Sales of Platform		€ 9.450	€ 38.610	€ 113.400	€ 397.800	€ 960.000



	2015	2016	2017	2018	2019
Sales Revenues	27.330 €	319.380 €	808.020 €	1.212.030 €	1.818.045 €
Expenses	142.353 €	340.019 €	542.143 €	694.331 €	867.163 €
Sales & Commercial expenses	17.733 €	82.938 €	176.802 €	270.003 €	373.805 €
Technical Expenses	- €	- €	- €	- €	- €
Translation Expenses	2.000 €	4.000 €	4.000 €	5.000 €	5.000 €
Marketing & Promotion expenses	39.700 €	70.300 €	78.100 €	89.700 €	107.250 €
Marketing	28.400€	47.800 €	56.100 €	66.167€	80.717€
Promotion expenses	11.300 €	22.500€	22.000€	23.533€	26.533 €
T Development Expenses	28.200 €	54.000 €	96.000 €	124.800 €	153.600 €
Other IT Expenses	11.400 €	37.200 €	53.800 €	54.333 €	54.833 €
Management and Administration expenses	43.320 €	91.581 €	133.441 €	150.494 €	172.675 €
Total expenses	142.353 €	340.019 €	542.143 €	694.331 €	867.163 €
BIT	- 115.023 € -	20.639 €	265.877 €	517.699 €	950.882 €
% in revenue	-421%	-6%	33%	43%	52
EBITDA	- 111.523 € -	13.906 €	274.311 €	523.799 €	957.982 €
96 in revenue	-408%	-4%	34%	43%	539



Fixed and Variable Expenses

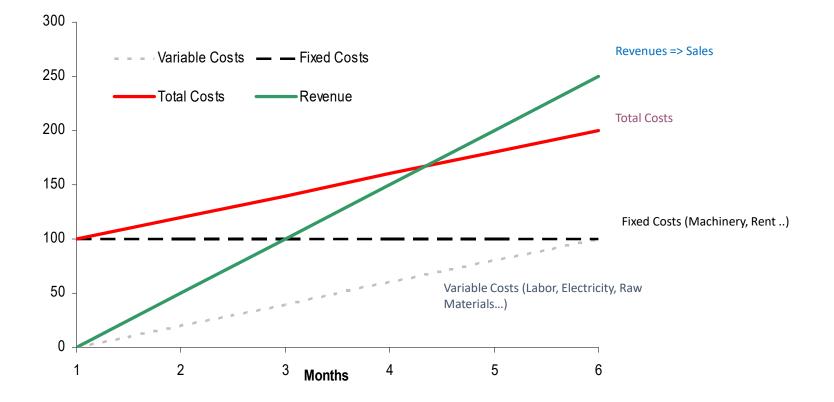
- Fixed expenses: do not change in a period of time:
 - Rent, overheads, water, electricity, heating
 - Salaries (Personnel expenses)
 - Licences, domain, cloud storage...
- Variable cost: costs that change depending on the business activity in time:
 - Material
 - Energy
 - Packing
 - Postage, logistics
 - Marketing, promotion, advertising



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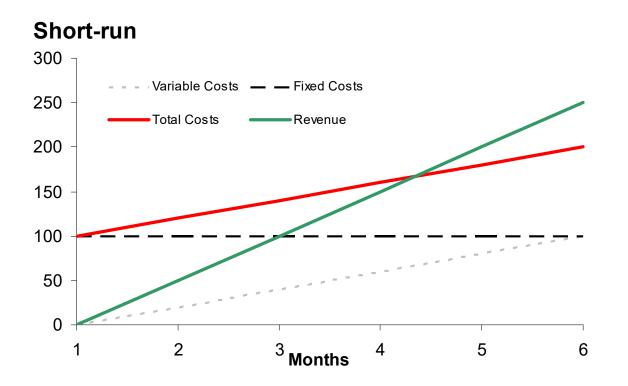


Fixed and Variable Expenses



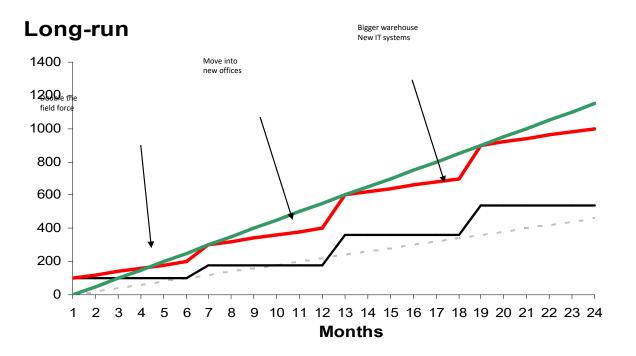


Short-Term and Long-Term View



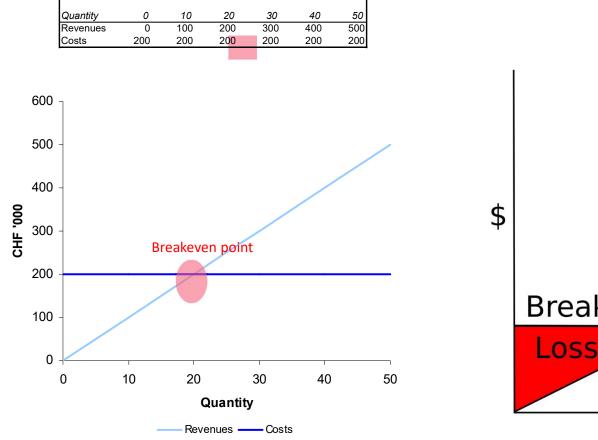


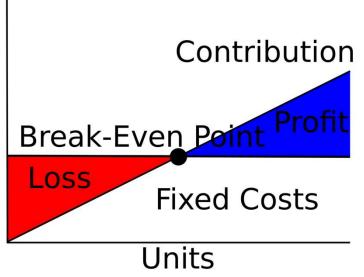
Short-Term and Long-Term View





Break Even









Cash Flow is NOT Profit!

- Cash Outflows that are not expenses
- Cash inflows that are not sales revenues
- Every expense is not a cash outflow
- Net Cash Flow is not profit
- Payment of VAT is not an expense
- Understanding of Cash Flow is fundamental basis for decision making!
- Basic Accounting needs to be understood better understand Cash Flow.

Cash Flow

- Cash Flow Statement shows various cash Flows and is derived from Income Statement and Balance Sheet
- Cash Flow is fundamental basis for decision making in modern finance and investment world (loans, investments, project evaluation, companies)
- How do we calculate the Cash Flow?
 - Cash Flow Statement exact calculation easy to make for the past periods
 - Cash Flow estimations:
 - EBITDA = Earnings Before Interest and Tax + Depreciation
 - EBITDA + Working Capital+ Investments





Balance Sheet – Shows the Assets and Liabilities of a Company

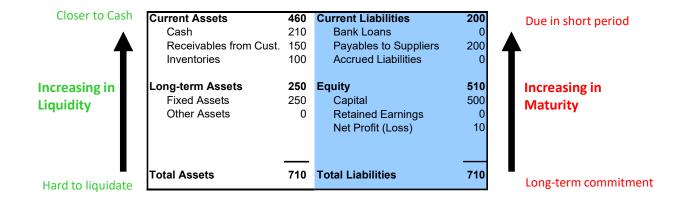
- Assets and Liabilities
- <u>Per one day</u>
- Equity

Current Assets	460	Current Liabilities	200
Cash	210	Bank Loans	0
Receivables from Cust.	150	Payables to Suppliers	200
Inventories	100	Accrued Liabilities	0
Long-term Assets	250	Equity	510
Fixed Assets	250	Capital	500
Other Assets	0	Retained Earnings	0
		Net Profit (Loss)	10
Total Assets	710	Total Liabilities	710



Balance Sheet

Balance Sheet Logic of Items:





Income Statement = Profit & Loss Account = P&L

- P&L shows how the company has performed in a period of time
- Many ways to show the P&L

Sales	150
Cost of Sales	-100
Gross Profit	50
Marketing & Sales Expenses	-20
General & Administration Expenses	-10
Operating Profit	20
Other Income/Expense	0
Profit before Taxes	20
Taxes	-10
Net Profit (Loss)	10



Income Statement

Sales Cost of Sales Gross Profit	150 <u>-100</u> 50			
Marketing & Sales Expenses General & Administration Expenses Operating Profit	-20 -10 20			
Other Income/Expense Profit before Taxes	<u> 0</u> 20			
Taxes Net Profit (Loss)	<u>-10</u> 10			
	Cost of Sales Gross Profit	100 50	Sales	150
	Marketing&Sales Ex. General&Admin. Ex. Operating Profit	20 10 20	Gross Profit	50
	Other Expenses	0	<i>Operating Profit</i> Other Income	<i>20</i> 0
	Profit before Taxes	20	Profit before Taxes	20
	Taxes Net Profit	<u>10</u> 10		



Income Statement

Revenue from Sales

- Cost of goods sold and expenses **EBIT** = Earnings Before
- = EBIT = Operating Profit
- + Finance Revenues
- Finance Expenses
- = EBT
- + Other Revenues
- Other Expenses
- Corporate Income Tax
- +/- Deferred Taxes
- = Net Profit

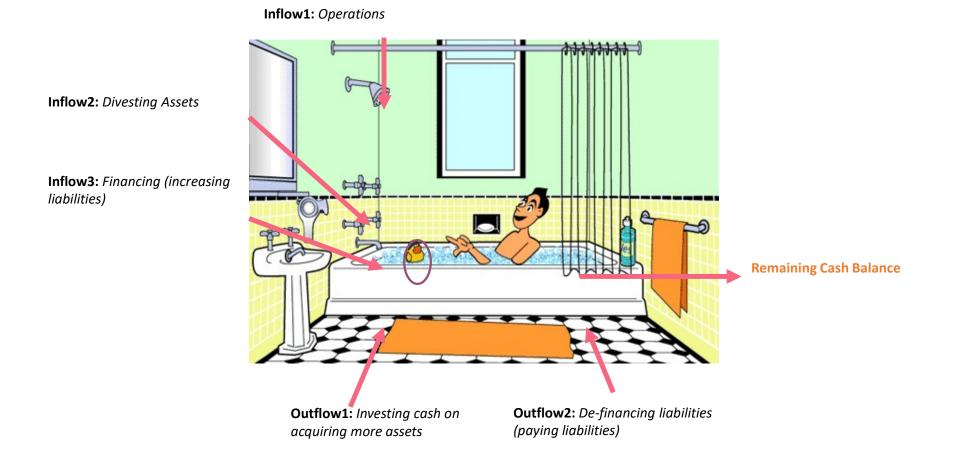
Net Profit

Interest and Taxes

EBT = Earnings Before Taxes



Understanding of Cash Flow



Cash Flow

Cash Flow relates to the change in cash balance

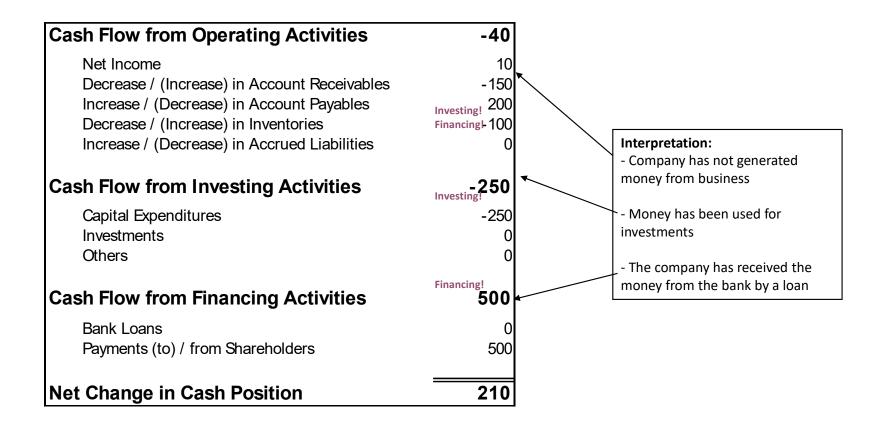
- Cash In and cash Out
- 3 types of Cash Flow:
 - Operational Cash Flow: cash that the company received from selling its products and services and uses for buying goods and services from its core activity (Core Business)
 - Investment Cash Flows: cash that the company uses for buying investments, fixed assets or also cash that the company received in case they sell its assets (CAPEX)
 - Financing Cash Flows: cash that the company received from banks as loans, financing from investors or a cash outflow in cases of repaying the loans to the banks and paying dividends to owners



TURNOVER is VANITY PROFIT is SANITY but CASH is KING



Cash Flow Statement



Business and Financial Plan

.....

Why is Business and Financial plan always such an important part of every pitch and presentation?

Q3

Q3



Startup Genome Report Extra on Premature Scaling

- a project coauthored by Berkeley & Stanford faculty members with Steve Blank and 10 startup accelerators as contributors.
- The report analyzed 3,200 high growth web/mobile startups.
- Within 3 years, 92% of startups failed. Of those who failed 74%, failed due to premature scaling.
- Premature scaling means spending money on marketing, hiring etc. either before you found a working business model (you acquire users for less than the revenue they bring) or in general spending too fast while failing to secure further financing.

Startup Genome

Startup Genome Report Extra on Premature Scaling

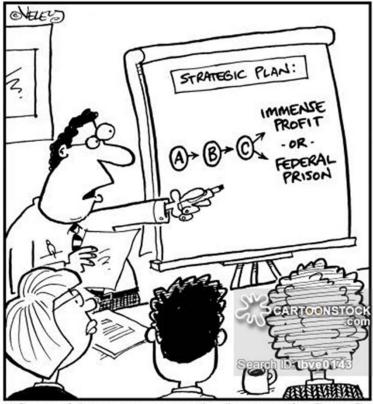
A deep dive into why most high growth startups fail

This is an addition to the Startup Genome Report covering premature scaling based on data from 3200+ high growth technology startups. The Startup Genome Report is a 67 page analysis that was coauthored by researchers from UC Berkeley & Stanford. Other contributors include Steve Blank, the Sandbox Network, and 10 accelerators from around the globe. Your can download it at http://blog.startupcompass.co



Who for am I preparing financial plan?

- Your own team
- Existing investors
- Potential new investors
- Banks
- Government bodies, SME instrument
- Basis for future reporting
- Board plan & company plan



"Stay with me now, people, because in Step C, things get a bit delicate."

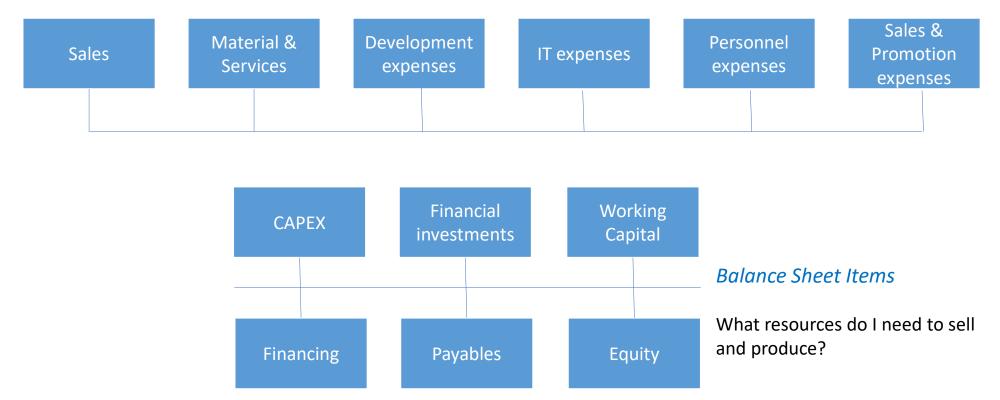
Planning

- Strategic Plan
- Business plan
- Financial Plan
- Accounting is a view of the PAST
- Plans are view in the FUTURE
- Usually for Investors a 3-5 years business and financial plan needs to be prepared

UNCERTAINTY

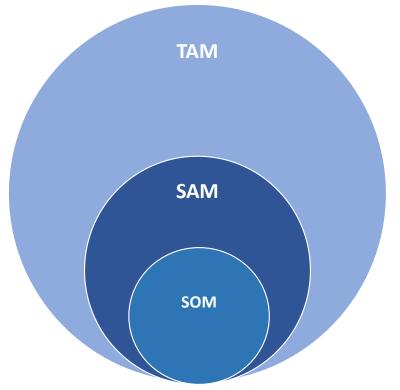


Income Statement Items How much do I produce and how much does it cost me?





TAM, SAM, SOM



- TAM = Total Available Market
 - Total market
- SAM = Serviceable Available Market
 - Segment of the market
 - Focus on your technology/services
- SOM = Serviceable Obtainable Market
 - Realistic market share
 - Competition, obstacles, trends, countries, sales channels



	2015	2016	2017	2018	2019	2020
Revenues	€ 426.428	€ 5.427.728	€ 23.120.550	€ 33.220.398	€ 41.794.718	€ 46.884.767
Gross Revenues	€ 490.993	€ 6.256.747	€ 26.682.689	€ 38.360.737	€ 48.289.680	€ 54.202.042
Sales to End-Clients via Web & Mobile portals	€ 319.146	€ 3.691.481	€ 14.141.825	€ 17.262.332	€ 18.350.078	€ 16.802.633
Sales via Local Tourist Agencies (Business Partners)	€ 0	€ 62.567	€ 533.654	€ 1.534.429	€ 2.414.484	€ 3.252.123
ales via Global Contract Partners	€ 122.748	€ 1.439.052	€ 5.603.365	€ 7.672.147	€ 9.175.039	€ 9.756.368
Sales via Affiliate Program	€ 24.550	€ 437.972	€ 2.401.442	€ 4.219.681	€ 6.277.658	€ 8.130.306
Sales via Loyalty & Reference Program	€ 24.550	€ 625.675	€ 4.002.403	€ 7.672.147	€ 12.072.420	€ 16.260.613
Sales Fees	€ 67.512	€ 866.559	€ 3.722.235	€ 5.370.503	€ 6.784.700	€ 7.642.488
Revenues from advertising media space	€ 2.946	€ 37.540	€ 160.096	€ 230.164	€289.738	€ 325.212
	0,60%	0,60%	0,60%	0,60%	0,60%	0,60%
let Revenues	€ 426.428	€ 5.427.728	€ 23.120.550	€ 33.220.398	€ 41.794.718	€ 46.884.767
Total Direct Cost	€ 447.638	€ 4.569.474	€ 16.387.424	€ 23.787.001	€ 29.337.809	€ 32.007.783
	105,0%	84,2%	70,9%	71,6%	70,2%	68,3%
Direct Cost related to Own Fleet	€ 0	€0	€0	€0	€0	€0
Direct cost related to Outsourced Fleet	€ 447.638	€ 4.569.474	€ 16.387.424	€ 23.787.001	€ 29.337.809	€ 32.007.783
Gross Margin	-€ 21.211	€ 858.254	€ 6.733.126	€ 9.433.397	€ 12.456.909	€ 14.876.983
% in revenue	-5,0%	15,8%	29,1%	28,4%	29,8%	31,7%

2015	2016	2017	2018	2019	2020
100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
115,1%	115,3%	115,4%	115,5%	115,5%	115,6%
74,8%	68,0%	61,2%	52,0%	43,9%	35,8%
0,0%	1,2%	2,3%	4,6%	5,8%	6,9%
28,8%	26,5%	24,2%	23,1%	22,0%	20,8%
5,8%	8,1%	10,4%	12,7%	15,0%	17,3%
5,8%	11,5%	17,3%	23,1%	28,9%	34,7%
15,8%	16,0%	16,1%	16,2%	16,2%	16,3%
0,7%	0,7%	0,7%	0,7%	0,7%	0,7%
100,0%	100,0%	100,0%	100,0%	100,0%	100,0%
105,0%	84,2%	70,9%	71,6%	70,2%	68,3%
0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
-5,0%	15,8%	29,1%	28,4%	29,8%	31,7%



	2014	2015	,	2016	2017	2018
Promotion Expenses	\$ 20.950	\$ 317.020	\$	562.000	\$ 850.000	\$ 1.184.000
Marketing (related to B2B, Business Development)	\$ 7.950	\$ 66.000	\$	110.000	\$ 154.000	\$ 174.000
#1 Events	\$ -	\$ 36.000	\$	66.000	\$ 92.000	\$ 112.000
#2 Print material	\$ 1.000	\$ 6.000	\$	6.000	\$ 6.000	\$ 6.000
#3 Travel expenses	\$ 5.000	\$ 8.000	\$	8.000	\$ 16.000	\$ 16.000
#4 Business Development	\$ -	\$ 12.000	\$	24.000	\$ 32.000	\$ 32.000
#5 Video	\$ 1.950	\$ 2.000	\$	4.000	\$ 4.000	\$ 4.000
#6 Co-Branding & Tools	\$ -	\$ 2.000	\$	2.000	\$ 4.000	\$ 4.000
Promotion expenses (related to End Clients)	\$ 13.000	\$ 251.020	\$	452.000	\$ 696.000	\$ 1.010.000
Channel #1 Facebook	\$ 3.000	\$ 54.000	\$	108.000	\$ 180.000	\$ 216.000
Channel #2 Display (Google)	\$ 3.000	\$ 48.000	\$	84.000	\$ 120.000	\$ 180.000
Channel #3 Adwards	\$ 3.000	\$ 42.000	\$	72.000	\$ 108.000	\$ 180.000
Channel #4 Retargeting	\$ 3.000	\$ 36.000	\$	66.000	\$ 102.000	\$ 144.000
Channel #5 Youtube	\$ -	\$ 12.000	\$	42.000	\$ 78.000	\$ 120.000
Channel #7 Twitter	\$ 1.000	\$ 9.000	\$	36.000	\$ 48.000	\$ 84.000
Channel #8 PR	\$ -	\$ 22.020	\$	10.000	\$ 20.000	\$ 40.000
Channel #9 Pinterest	\$ -	\$ 6.000	\$	9.000	\$ 12.000	\$ 15.000
Channel #10 Instagram & Snapchat	\$ -	\$ 6.000	\$	9.000	\$ 12.000	\$ 15.000
Channel #11 Own products for promotion	\$ -	\$ 16.000	\$	16.000	\$ 16.000	\$ 16.000



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Sales Revenues	27.330 €	319.380 €	808.020 €	1.212.030 €	1.818.045 €
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EBITDA	-	111.523 € -	13.906 €	274.311 €	523.799 €	957.982 €
% in revenue		-408%	-4%	34%	43%	53%
CAPEX	-	9.600 € -	8.200€ -	4.500 € -	10.800 € -	7.200 €
Investment in NWC NWC	-	4.691 € 4.691 € -	7.063 € 11.754 € -	6.580 € 18.335 € -	5.071 € 23.405 € -	5.919 € 29.324 €
Free Cash Flow	-	116.432 € -	10.352 €	288.145 €	536.405 €	980.107 €

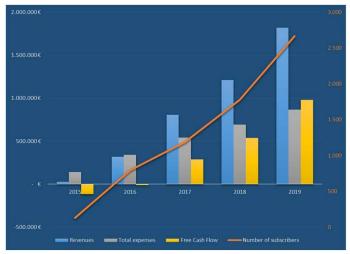
Free Cash Flow	-	116.432 € -	10.352 €	288.145 €	536.405 €	980.107 €
Investment (Equity)		120.000 €	30.000 €	- €	- €	- €
Cash Flow after Investment		3.568 €	19.648 €	288.145 €	536.405 €	980.107 €

PURPOSE OF ADDITIONAL FINANCING	€ 150.000	
marketing & sales	€ 57.433	389
development team & expenses	€ 39.600	269
other	€ 52.967	359



A Summary View

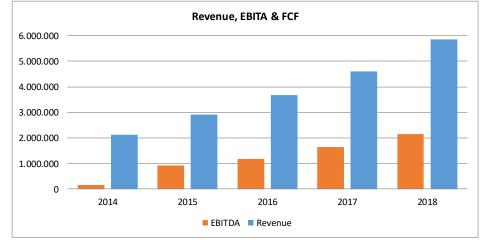
	5	2015	2016	2017	2018	2019
Revenues revenue growth		27.330 €	319.380 € 1069%	808.020 € 153%	1.212.030 € 50%	1.818.045 € 50%
EBITDA EBITDA Margin	-	111.523 € - -408%	13.906 € -4%	274.311 € 34%	523.799 € 43%	957.982 € 53%
FCF	-	116.432 € -	10.352 €	288.145 €	536.405 €	980.107 €
Sales per employee		7.809 €	39.923 €	75.516 €	89.780 €	113.628 €
Employees		3,5	8,0	10,7	13,5	16,0
Number of subscribers		130	790	1.185	1.778	2.666
CAC		305,4 €	106,5 €	197,7 €	151,4 €	120,7 €

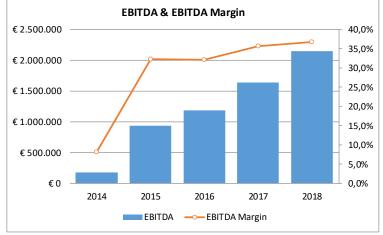




Summary

	2014	2015	2016	2017	2018
Revenue	€ 2.137.863	€ 2.905.334	€ 3.676.074	€ 4.595.093	€ 5.843.866
Revenue growth	185%	36%	27%	25%	27%
EBITDA	€ 172.350	€ 934.810	€ 1.182.400	€ 1.634.496	€ 2.144.238
EBITDA margin	8,1%	32,2%	32,2%	35,6%	36,7%
Employees	19	30	45	48	60







Be realistic!

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"Display the sales projections with day-glo colors and a blacklight. It will give the illusion that our future is bright."

- "we will acquire 5% share in EU in 3 years..."
- "we will grow our business one country per year…"
- "Based on the past experience our CAC will only decrease in time"
- "By January 2016 we will employ 3 new sales representatives…"
- "Our new office will start operating in March 2016 and will grow from 3 to 6 people by the end of the year.."
- "due to uniqeness of our solution we will negotiate a better price…"
- "We will acquire registration by the end of the year."

- Growth abroad is not as growth at home
- Does your business model require sales people or can you sell solutions online?
- How defendable is your competitive advantage?
- How many competitors are out there competing with you?
- Count on realistic barriers or cost of market entry
- Follow stories from your competitors
- Follow experience from similar businesses

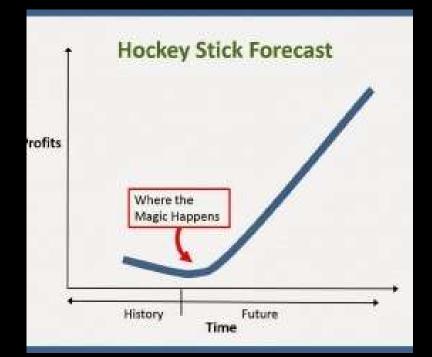
Most Common Mistakes

- Not having current and accurate data
- Not having enough historical data to predict future trends
- Lack of variance analysis against actual figures
- Forgetting seasonal and cyclical trend adjustments
- Lack of market research



Most Common Mistakes

- Building your plan once and for third purpose only
- Wishful thinking
- Hockey stick projections
- No sanity check
- Vague assumptions
- Forgeting or underestimating certain areas (working capital, tax liabilities)





Why do we invest?

- Growth of Business
- Automatization
- Future Cost Reduction
- To avoid uncertainty in the future
- To have more in the future than we have now
- Growth of the cash flow



Investment Evaluation

- Comparing more possible investments or more investment Scenarios
- Investments mean future and uncertainty
- Risk
- Different time distance mean different risk
- Different personal view on Risk



- Net present value: method that recalculates all cash flows of a project to present value
 - When NPV > 0 investment makes sense
 - Cost of capital
 - [NPV = Net Present Value]
- Internal Rate of Return: cost of capital/discount rate at which NPV is zero
 - Investment makes sense when IRR > internal rate of the company for every project
 - [IRR = Internal Rate of Return]
- Payback Time: period in which the investment amount returns

$$NPV = I_0 + \frac{I_1}{1+r} + \frac{I_2}{(1+r)^2} + \dots + \frac{I_n}{(1+r)^n}$$

Methods



Investment Evaluation

Example:

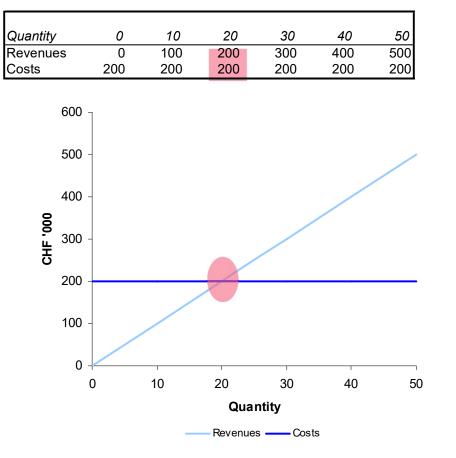
- Investment in new plant with 3 years lifetime
- Investment value 20 mio

	<u>Year 0</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
investment	-20			
revenue		+15	+15	+15
costs		-5	-5	-5
net cash flow	-20	+10	+10	+10

• Should we invest? (Cost of capital 10%)



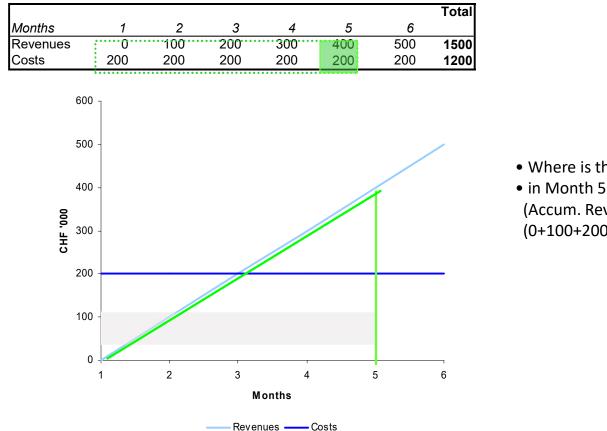
Breakeven point vs. Payback point



- Where is the breakeven point?
- When we sell 20 units (Costs = Revenues)



Breakeven point vs. Payback point



- Where is the payback point?

(Accum. Revenues = Accum. Costs) $(0+100+200+300+400 = 200 \times 5)$

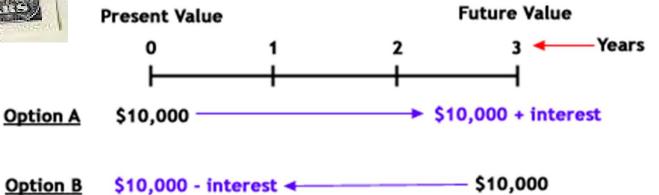


Time Value of Money



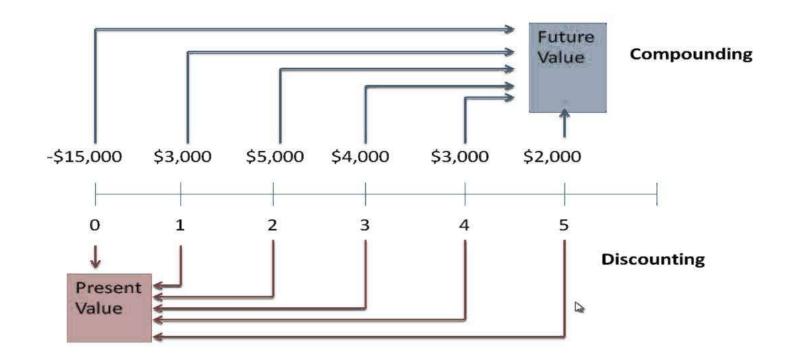
$$FV = PV(1+I)^{N}$$

FV = future value PV = present value I = interest N = number of periods





Present and Future Value



What elements should be include in Investment Evaluation?

- Revenues or Inflows?
- Expenses or Outflows?
- Investment or also Working Capital?
- How do I take into account Risk?
- Where do I get discount rate / cost of capital?



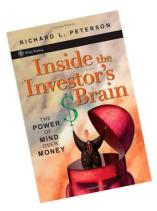


What if we are the investment?



- Investor's View
- Expectation and Measurement
- Freedom and Money
- Plan and Actual results





Thank you!

Note N

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