iMDE: international Market-Driven Engineering

LECTURE 7: Business Plan

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Information about the final report and presentation

- http://www.control.lth.se/media/Education/ EngineeringProgram/TMAF10/iMDE2013/ ReportAndPresentation.pdf
- Find this link at the homepage of course



Main Questions on BP (1)

Group 2

- BP for new ventures vs. established companies?
- what kind of formats and tools?
- How create it for everyone in the company to understand?

Group 3

- Adjust to different readers
- Timehorizon?

Group 4

- Necessary Deliverables/parts of the business plan. Good models to use?
- How far in the future?
- Pretend that we start a company or an existing?
- Do we write organization or only product & marketing.



Main Questions on BP (2)

Group 5

- Teacher expectations?
- Economical part?
- 3d Prototype?

Group 7

- BP from good to great?
- How to communicate the USP in a way that possible investors feel confident?
 Do's and Don'ts
- CH, if you had 3 working days making a business plan, focus vs skip?

Group 8

- key components and how detailed?
- Ashort description of the product and USP in intro?
- Profit calculation?
- Benchmarking? (given the short time-span)

Individually from xuechao Jia

– How to estimate profit?



Agenda

Technology Management

Context group 2, 3, 4, 5

- BP for new ventures vs. established companies? (2)
- Pretend that we start a company or an existing? (4)
- what kind of formats and tools? (2)
- How create it for everyone in the company to understand? (2)
- Adjust to different readers (3)
- Teacher expectations? (5)

Content group 3, 4, 5, 8

- Timehorizon? (3)
- Necessary Deliverables/parts of the business plan. Good models to use?
 (4)
- Do we write organization or only product & marketing. (4)
- How far in the future? (4)

- Economical part? (5)
- 3d Prototype? (5)
- key components and how detailed? (8)
- A short description of the product and USP in intro? (8)

Other group 7, 8 xuechao Jia

- CH, if you had 3 working days making a business plan, focus vs skip?
- BP from good to great?
- How to communicate the USP in a way that possible investors feel confident? Do's and Don'ts
- Profit calculation?
- Benchmarking? (given the short timespan)

2 cases

- Company X
 - The process of developing a business plan
 - 3 versions
 - Executive summary
 - "100 pager"
 - "4 pager"
- Nordic Drugs



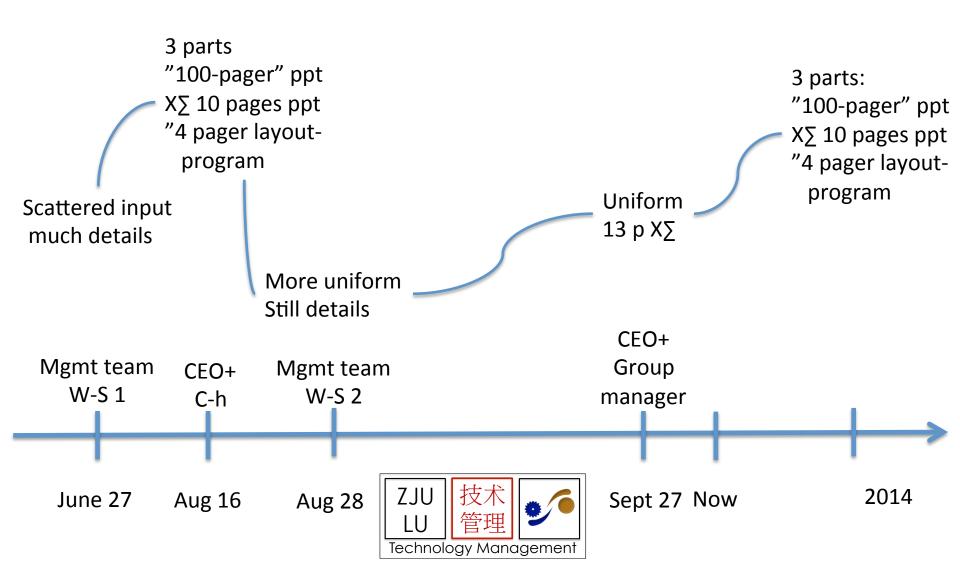
Case company X

- 250 employees
- Machinery industry
- 4000 articles
- High profitability, old machines!

- CEO Dan contacts c-h:
 - We want to keep our earnings in order to upgrade our production - what to do?



The grand scheme



The Business Model Canvas

Designed for:

Nemoure

Dorian felz

Iteration:

Key Partners

Which Key Resources are we acquiring from partners? Which Key Activities do partners perform?

luc uses: They tell us how out product should WORK

Publishers: Dur White Calel Folketion is tailor made to their weeds Jevelopes: Nun make use of our Matherin

Key Activities

What Key Activities do our Value Propositions require?

Baira the core platform around items of information Nyture our user base for feedback and usage

Key Resources

What Key Resources do our Value Propositions require? Our Distribution Channels? Customer Relationships?

Strong engineering and product develop men + team strong publisher ne lationships.

Value Propositions

Which one of our customer's problems are we helping to solve? What buildles of products and services are we offering to each Customer Segm

Publishers . neach natur from

. BEC GRA

. Available everywhere in formation.

.BZB USEA

. Collaboration on nesearch - promise to sace time"

Customer Relationships

What type of relationship does each of our Customer Segments expectus to establish and maintain with them?
Which ones have we established? How are they integrated with the rest of our business model?

Publishes . Clese allationship to co-develop solution

12 C

lopse nelectionship rocuru on support

Channels

Through which Channels do our Customer Segments

How are we reaching them now? How are our Channels integrated? Which ones work lest? Which ones are met cost-efficient?

How are we integrating them with customer routines?

Dubelishes · KLB racles with

nerroundlon tact . BLE andiana Rathershy self

Customer Segments

for whom are we creating value?

duran we always address the fame

ups:

Intormation worker with a derive to get his ther unstructured information under control and hope

Cost Structure

What are the most important costs inherent in our business model? Which Key Resources are most expensive Which Key Activities are most expensive?

. PRIsonel costs (fix)

. Plafform a peration (variable)

. 32B faller

Revenue Streams

For what value are our customers really willing to pay? or what do they currently pay How are they currently paying?

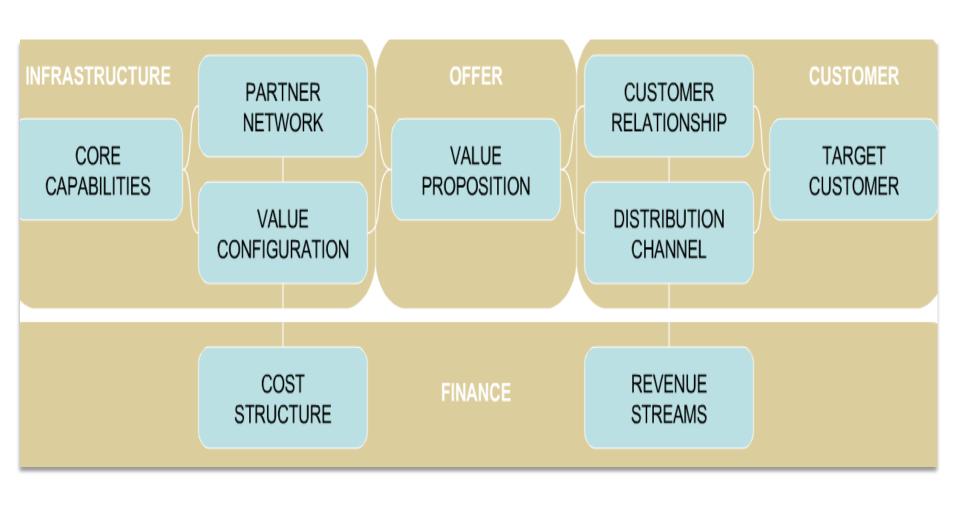
low would they prefer to pay

- Willing . Pablighers; Reader netch tron Everywhere everyting

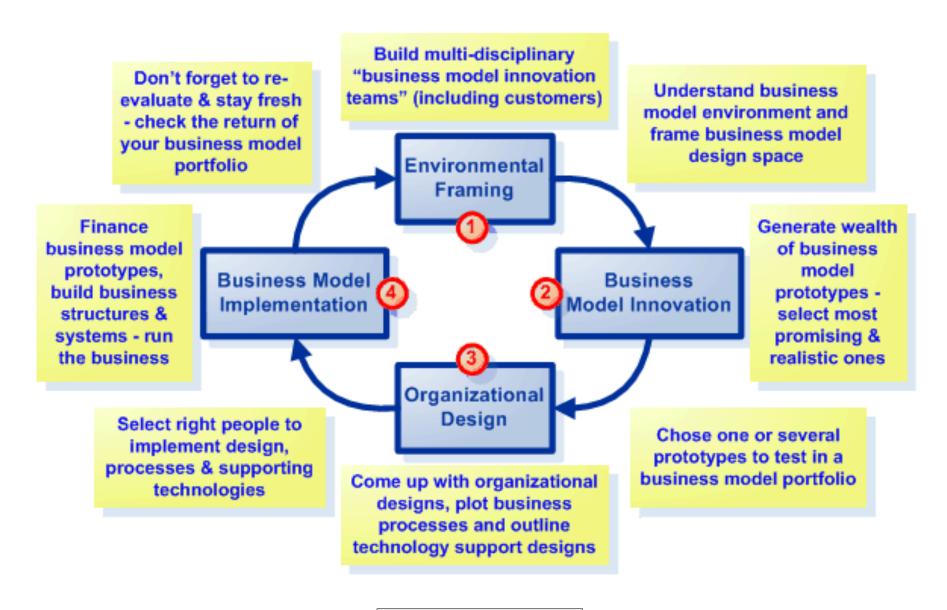
availability of intermation

· Current hes : first & tarting · hoses: Solidarity, usage limit

www.businessmodelgeneration.com









What is Business Plan?

 It's a document that convincingly demonstrates that your business can sell enough of its product or service to make a satisfactory profit and be attractive to potential backers

- It is a selling document
- The business plan is all but: abstract, uninformative, theoretical or mysterio





Who need to write a business plan?





Who Needs to Write/See the Business Plan?

- Most banks loaning money, especially if the business does not have a track record
- Farmers, to insure they have considered everything
- Investors or partners who have some doubts about your abilities/integrity
- Highly required or important potential employees
- Anyone wondering if they should take the risk



Goals of Business Plan



- 1) consider important aspects and decide whether to "go or no go"
- 2) initial planning document for a new business
- 3) serves as a tool to communicate the idea of the new venture to potential investors, bankers, key employees
- 4) serves as a record to monitor and compare results



Issue with the goal

- The real goal is to convince!
- Who are you convincing? Yourself!
- Once you convince yourself, the rest of the journey is "downhill"





A Sound Business Plan can act as

A reality check.

 In order to write it, you have to take an objective, critical, unemotional look at your business project in its entirety.

A performance tool.

- As an operating tool to help you to manage your business and work effectively towards its Success.
- Your business plan will allow you to set realistic goals and objectives for your company's performance, and, if maintained, will also provide a basis for evaluating and controlling the company's performance in the future.



A Sound Business Plan can act as

A message sender (communication).

- Readers: employees, outside directors, lenders, and potential investors
- Provides a way to communicate your operations, goals, and business philosophy to personnel, suppliers and your other business contacts.

A motivation tool.

 One way for you and audiences to well understand your business now and in the future.



A Sound Business Plan can act as

A management development tool.

- Putting together your business plan will help you develop as a manager as it get you practice the art of thinking and finding solutions.
- Helping you think through all the nuissaces of your business, whether
 its about competitive conditions, promotional opportunities, or
 situations that are or may be beneficial or harmful to your business
 will help you become more equipped for the trials and tribulations of
 running a business.

A road map.

- Give you and your employees the roadmap to follow in guiding your business through good and bad times.
- The preparation of a written business plan is not the end-result of the planning process. The realization of that plan is the ultimate goal.
- For an established business it demonstrates that careful consideration has been given to the business's development, and for a start-up it shows that the entrepreneur has done his or her homework.



Next Questions

- Which type of plan is best for you?
- What should the plan look like?
- How should it be arranged?
- What should be included in each section?
- How long should it be?



Three Fundamental Types of Plans

- First Type: The Summary Plan
- contains only the most important information about a business and its direction
- 10-15 pages, concise, terse in style
- business strategy stated in one sentence
- works best when applying for a loan, if you are well-known, not seeking funding from other investors, need money quickly



Three Fundamental Types of Plans

- Type 2: the Full Business Plan
- standard issue, 30-50 pages in length
- from 10-30 pages of support documentation
- I.e., resumes, letters of support, promotional materials
- introduction detailed, explanatory
- works best when you want to explain key issues fully, looking for a lot of money, looking for a strategic partner



Three Fundamental Types of Business Plans

- Type 3: the Operational Business Plan
- internal planning document of an operational company
- usually much longer because it takes more time to describe ongoing business
- more history, products, people
- heavy on the quantitative analysis
- meant to inspire managers, best for fast-growing company, gives order to growth
- used as part of an annual review ZJU 技术

Write a Business Plan







Who is the audience of your business plan?

A plan needs to be written in a different method according to the targeted audience!!



A business plan should answer:

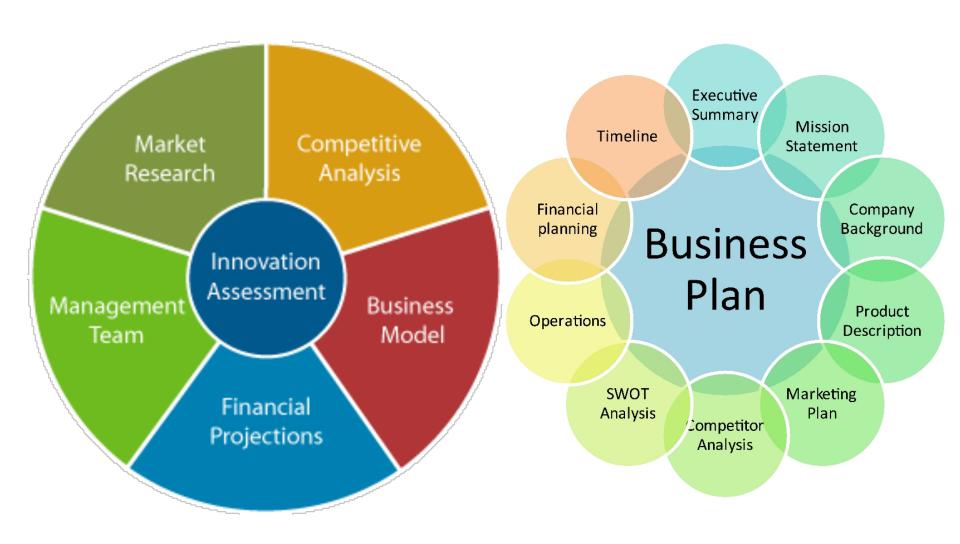
- Are you ambitious? Can you build a business?
- Do you have the skills to build the product or service?
- Can you already demo the product?
- Have you worked out how to monetize the product?
- How much investment capital do you need?
- Do you have a revenue forecast?
- How long will it take to reach profitability?



Typical questions addressed by a business plan for a start up venture

- What problem does the company's product or service solve? What niche will it fill?
- What is the company's solution to the problem?
- Who are the company's customers, and how will the company market and sell its products to them?
- What is the size of the market for this solution?
- What is the business model for the business (how will it make money)?
- Who are the competitors and how will the company maintain a competitive advantage?
- How does the company plan to manage its' operations as it grows?
- Who will run the company and what makes them qualified to do so?
- What are the risks and threats confronting the business, and what can be done to mitigate them?
- What are the company's capital and resource requirements?
- What are the company's historical and projected financial statements?







Various Parts of the Business Plan

- Cover page
- 2) Executive summary small version of BP
- 3) Market analysis where you work?
- 4) Company description what's your identity?
- 5) Marketing issues who are the buyers?
- 6) Product/services issues: What are you selling?
- 7) Sales and promotion: How will you sell?
- 8) Financial issues





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- B. 2010-11 MARKETING AND COMMUNICATIONS PLAN
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- D. 2009-10 THIRD QUARTER FINANCIAL STATEMENTS





Part 1: Cover Page

- Name of company
- address
- phone number, fax, e-mail
- chief executive's name
- Hints: don't make the banker look up your name and phone number
- number the copy of the plan
- follow-up with non-disclosure agreement



Part 2: Executive Summary

- Stands alone as a business plan within a business plan
- logical, clear, interesting and exciting
- requires less than 4 minutes to read
- no more than 2 pages (so that's what they're up to!)
- not an abstract, introduction, preface, random collection of highlights
- it's the BP in miniature



If You Are an Established Business

Be sure to include the following information in the executive summary:

- The Mission Statement This explains what your business is all about. It should be between several sentences and a paragraph.
- Company Information Include a short statement that covers when your business was formed, the names of the founders and their roles, your number of employees, and your business location(s).
- **Growth Highlights** Include examples of company growth, such as financial or market highlights (for example, "XYZ Firm increased profit margins and market share year-over-year since its foundation). Graphs and charts can be helpful in this section.
- Your Products/Services Briefly describe the products or services you provide.
- **Financial Information** If you are seeking financing, include any information about your current bank and investors.
- Summarize future plans Explain where you would like to take your business.



If You Are a Startup or New Business

- Focus on your experience and background as well as the decisions that led you to start this particular enterprise.
- Demonstrate that you have done thorough market analysis. Include information about a need or gap in your target market, and how your particular solutions can fill it. Convince the reader that you can succeed in your target market, then address your future plans.
- Remember, your Executive Summary will be the last thing you write. So the first section of the business plan that you will tackle is the Market Analysis section.



The Better Executive Summary

- Explains why the timing is right for the company to be formed
- Establishes its strategy
- Explains how it will compete effectively, concise, to the point
- Emphasizes marketing aspects
- Positive in nature, says what a prospective investor wants to hear
- Synthesizes talents of team; written, rewritten



The Bad Executive Summary

- Says little about company strategy
- Barely touches on marketing issues
- Emphasizes company's financial needs
- Internally directed vs. externally
- Little explanation of competition and where the company will go in marketplace



Part 3: Market Analysis

- Industry Description and Outlook Current and future trends of your industry, the major customer groups within your industry.
- Information About Your Target Market Narrow your target market to a manageable size. Include the following information about your market:
 - Distinguishing characteristics What are the critical needs of your potential customers? Are those needs being met? What are the demographics of the group and where are they located? Are there any seasonal or cyclical purchasing trends that may impact your business?
 - Size of the primary target market –the size of your market, the annual purchases your market, the forecasted market growth for this group
 - How much market share can you gain? What is the market share percentage and number of customers you expect to obtain in a defined geographic area? Explain the logic behind your calculation.
 - Pricing and gross margin targets Define your pricing structure, gross margin levels, and any discount that you plan to use.



Part 3: Market Analysis

- Competitive Analysis identify your competition by product line or service and market segment.
 - Market share
 - Strengths and weaknesses
 - How important is your target market to your competitors?
 - Are there any barriers that may hinder you as you enter the market?
 - What is your window of opportunity to enter the market?
 - Are there any indirect or secondary competitors who may impact your success?
 - What barriers to market are there (e.g., changing technology, high investment cost, lack of quality personnel)?
- Regulatory Restrictions Include any customer or governmental regulatory requirements affecting your business, and how you'll comply. Also, cite any operational or cost impact the compliance process will have on your business.



Part 4: Company Description

- Asks: What is your company's identity?
- Every company has an underlying philosophy and logic (examples):
 - decentralization of decision-making
 - interest in funding expansion of the company via earnings as opposed to outside investment
- → help readers and potential investors quickly understand the goal of your business and its unique proposition



What are included?

- your business and the marketplace needs
- how your products and services meet these needs.
- the specific consumers, organizations or businesses that your company serves or will serve.
- the competitive advantages
- your strategy
- organizational structure



Assessing the Competition

- No businesses are carried out in a vacuum
- if there is no apparent competition, do not take that as a good sign
- maybe the market isn't receptive
- maybe you need to look deeper
- your competitor may not be another business, but another way of doing it
- list your competitors and their weaknesses + strengths
- how will you stay ahead of competition?





Four Principle Strategy Issues

- 1) overall company strategy: overall approach to producing and selling products and services, goals for maximizing success, what is your guiding principle?
- 2) mission statement: a statement that encapsulates your company's values and overall purpose in life
- 3) technology/information assessment: ability to use technology and manage information
- 4) management team: who determines and implements strategy (must have credibility)



1) Overall Strategy: past, present and future issues

- Discuss your company's history, when it was started, by whom, has strategy changed from that of the past, if so, why?
- Include fundamentals: sales, profits, number of employees, locations
- What is status of company today (snapshot)?
- Strengths and Weaknesses: mention these, you will appear more honest, open-minded



Overall Strategy: future prospects

- Also known as the "objectives" section
- easy to project good growth, harder to make it believable
- if you had a history of growth, then it is more believable
- can sometimes use external trends (e.g., growth in another area) to justify new direction
- start-up companies can more easily speak to growth because they have bad experiences to dispel optimism
- people starting the business can lend credibility to the plan if they, themselves, are credible



2) The Mission Statement

- Represents a more generalized and idealistic vision of the company's purpose in life
- often, these visions are a little too lofty
- many times it is more than adequate just to improve people's lives
- mission statements also establish achievable goals
- often focus on three issues: product, economic and social objectives



3) Technology/Information Assessment

- Greater or higher technology allows small companies to compete on an even playing field with larger ones
- used to achieve competitive advantages
- with proper technology, customers can be serviced more quickly and efficiently than competitors
- technology must be integrated into the company's most important operations
- examples?



4) The Management Team

- This is the critical link in making the strategy section believable
- quality of the management team should speak for itself because people are the key to determining success
- two most common problems: one-man-band syndrome, everyone from same background
- hard to expand if you have a dictator
- successful management teams require diversity of training and expertise

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Management Team Suggestions

- 1) emphasize real-life business accomplishments
- academic accomplishments only hold value for technology businesses
- identify evidence of special knowledge and creativity
- 4) make the most of your human resources: describe all team members in positions of authority
- 5) describe your board of directors



Part 5: Marketing Issues (Who are the Buyers?)

- Everyone engages in marketing, whether they believe it or not
- obtaining clients through referrals and word of mouth is still marketing
- marketing:
 - identifying your customer prospects and determining how best to reach them (this is a BP-style definition)
 - Process of creating your customers (SBA.gov)
- now-a-days marketing is not selling or promoting
- selling and promoting are the implementation of the marketing plan

Technology Managemen

Marketing strategy

- A market penetration strategy.
- A growth strategy. E.g.: an internal strategy such as how to increase your human resources, an acquisition strategy such as buying another business, a franchise strategy for branching out
- Channels of distribution strategy. distribution channels, distributors, or retailers.
- Communication strategy. How are you going to reach your customers?



What are you Selling?

- You might think this is an easy question to answer -- it is not!
- the real question: What is the customer buying?
- If you answered "shrimp" to the first question, you really might want to answer: "the best possible selection of shrimp at the lowest possible price."
- What is the problem with this type of answer? Everyone else uses it.
- In building a business, you want to emphasize benefits as part of marketing

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Emphasize the Best Benefits

- "best benefits" are those that make people feel better or fill their wallets
- benefit 1: convenience
- products and services that save people time can often charge more
- benefit 2: added value
- important, no matter how simple
- if product is boring, you must figure out ways to add value
- benefit 3: saving both time and money
- example: purchasing Type the internet

Marketing: getting the answers you need

- Much information for market research is public domain
- many marketing surveys begin using on-line data bases
- doing it yourself is generally better than hiring someone else
- it's cheaper and you'll learn more
- consumer tests, as opposed to marketing surveys, are best done by someone else



Part 6: Product/Service Issues (What are you selling?)

- The value of a product determines a company's success
- there are really only two issues that come to mind in selling a product:
- 1) the market should determine the particulars of a product
- 2) if the market exists, can you deliver in a timely and cost-effective manner?



Part 7: Sales and Promotion (How do you Sell?)

- This is the key to everything else in your business
- without it, you cannot sell your product
- most poorly-managed firms take the "sales" approach: they do what everyone else does, know what is acceptable
- that's not enough in today's world
- in this plan, you must show how sales will be costeffective and get people's attention



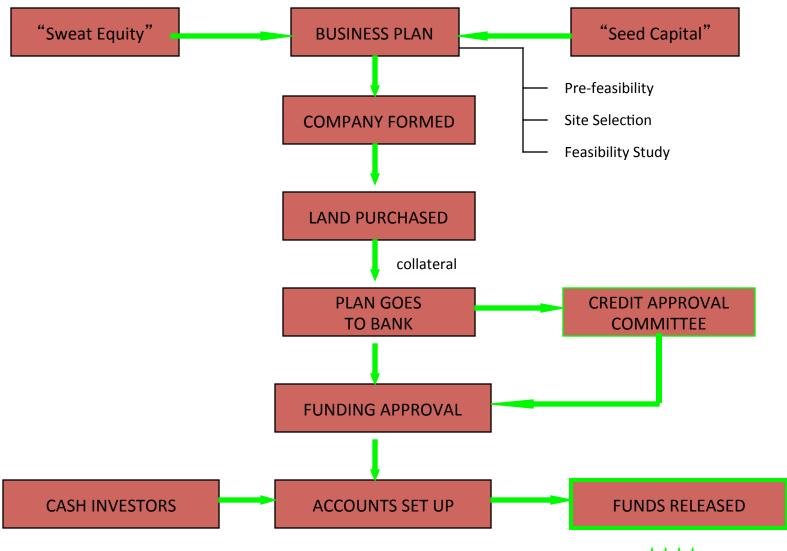
Sales strategy

- A sales force strategy. How many salespeople will you recruit for your sales force? How will you train your sales force? What about compensation for your sales force?
- Your sales activities. break sales strategy down into activities. For instance, identify your prospects, decide how to contact them,

• • • • •



How a Project is Typically Put Together



Wrap-up on Business Planning

- The last section is the "Financial" Section
- Contains financial projections
- Hardest part of the Plan to organize and finish
- Subject of our next lecture



Part 8: Financial Issues

- Funding request
- Financial plan



Funding Request

- If you are seeking funding for your business venture, your funding request should include the following information:
 - How much: the amount you want now and the amount you want in the future (next 5 years)
 - Which type: How you intend to use the funds you receive: Is the funding request for capital expenditures? Working capital? Debt retirement? Acquisitions? Whatever it is, be sure to list it in this section.
 - How repay: Any strategic financial situational plans for the future, such as: a buyout, being acquired, debt repayment plan, or selling your business. These areas are extremely important to a future creditor, since they will directly impact your ability to repay your loan(s).



 Your lender wants to know if your business will be financially successful.

✓ Your spouse wants to know too!



 The financial plan is one of the most important part of your business plan.

 The financial plan is particularly important if you are proposing a major change or a brand new business.



- Financial viability is generally evaluated from three perspectives:
 - Solvency
 - Profitability
 - Liquidity



- Solvency evaluates changes in net worth
 - growth in your "retirement account"
- Profitability monitor earnings
 - ability to generate income
- Liquidity estimates cash flow and debt repayment ability
 - paying the bills in due time



Solvency

 Compares the value of the assets in the business (what you own) with the sources of capital (liabilities – what you owe and your net worth)

Requires an up to date balance sheet



Profitability

- Measures the earnings of the business
- Requires an accrual income statement
- Optionally use average net income from 3 or more periods



Liquidity

- Measures the ability of the business to generate cash to meet short term obligations such as paying the bills
- Requires a cash flow statement, usually projected for next year or more
- Detailed close in time, sketchy further in the future



Financial Plan top three tools

- Balance sheet assets and liabilities solvency
- <u>Income statement</u> income, costs, results profitability
- <u>Cash-flow statement</u> the flow of money in and out – liquidity



Balance Sheet

 A snapshot of how funds are invested in a business (assets) and the financing methods used (liabilities and owner's equity) at a given point in time.



Balance Sheet

- Most producers have an existing balance sheet because lenders require one annually.
- In order to find a suitable balance sheet for your business brows the web.



Income Statement

- An income statement measures how much income the business is making in relation to the resources used to produce that income.
- Look at the web for suitable set-up



Income Statement

- Not all producers have an accrual income statement.
- Should develop one for your business plan.
- In order to find ideas for a suitable income statement for your business brows the web.



Cash Flow Plan

- A cash flow plan is a projection of all sources and uses of cash during a specified planning period.
- It evaluates the business's ability to meet loan payments and other financial obligations on time.
- Yes also in this case you find plenty on the web.



Cash Flow Plan

- Most producers have an annual cash flow plan.
- In order to find ideas for a suitable cash-flow plan for your business brows the web.



 A written description of the strengths of these three measurements of your financial projections should also be included.

 Also describe the assumptions you used to make your financial projections.



Financial Projections

Historical Financial Data

- If you own an established business, you will be requested to supply historical data related to your company's performance. Most: the last three to five years.
- The historical financial data to include are your company's income statements, balance sheets, and cash flow statements for each year you have been in business (usually for up to three to five years).

Prospective Financial Data

- Most of the time, creditors will want to see what you expect your company to be able to do within the next five years. Each year's documents should include forecasted income statements, balance sheets, cash flow statements, and capital expenditure budgets.
- Make sure that your projections match your funding requests.
- Finally, include a short analysis of your financial information. Include a ratio and trend analysis for all of your financial statements (both historical and prospective).



Asset Management

 Your financial plan should also describe how you acquire and manage capital assets purchase, lease, or custom hire.

How efficiently are assets being used?



Asset Management

- An analysis of your investment in capital assets relative to the size of your business may be valuable as you plan the future of your business.
- Asset management is often the best indicator of future net worth growth.



Capital Required

- The final part of your financial plan should describe how much money you need to implement your business plan.
- Describe the sources of your financing.
- Present your financing request if you have one.



Further analyses

- Risk analysis
- Sensitivity analysis
- Marginal cost analysis
- Key-ratio analysis
- Be careful in selecting valid tools sometimes less is more.



Helpful Links

The business plan

http://www.myownbusiness.org/s2/

Business Plans

http://www.entrepreneur.com/businessplan/index.html

7 Ways to Help Ensure Your Business Succeeds

http://www.entrepreneur.com/article/223390

Business Plan's Necessary Factors

http://www.youtube.com/watch?v=cpcHrsQLo1o

What They Don't Teach in Business School about Entrepreneurship

http://www.youtube.com/watch?v=mHVJF9VaWfo

Sample Business Plans

http://www.bplan.com/samples/sba.cfm#

Real test of an Idea

http://www.guirky.com

A very good very real idea – 10 years after

http://techcrunch.com/2012/08/15/invisible-bike-helmet/

Create a Business Plan

http://www.sba.gov/category/navigation-structure/starting-managing-business/starting-business/how-write-business-plan

