

Agenda

- Problem Statement
- Market & Industry Background
- SWOT Analysis
- Technical Suggestions
- Value Added Services
- Business Model
- Revenue Models
- Pricing Strategies
- Recommendations



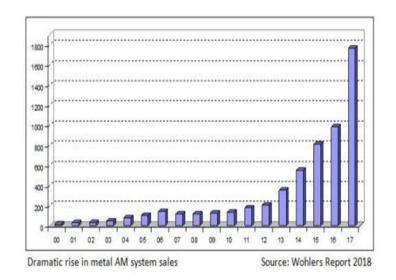
Problem Statement

- Major functions of Gas-flow
 - Prevent oxidation of alloys
 - Process emissions away from melt pool
 - Minimize build-up of emissions
- No tool or device currently available in the market to help measure gas flow.
- Solution provided by client helps bridge the gap by providing an effective and simple alternative.



Market & Industry Background

- Additive Manufacturing (AM) market is experiencing exponential growth in recent years.
- China, Europe and the United States are the largest markets for 3D printing. However, AM market is fragmented.
- Need the introduction of standardized methodologies to bring about consistency.



Market Size

Year	2017	2018	2019	2020
EOS Manufacturing Capacity (Units)	1000	2000	2400	2880
Cumulative Sales (Units)	1000	3000	5400	8280
Potential Market (= 90% of Cumulative Sales) - II	900	2700	4860	7452
Actual Number of Clients = (Potential Market/2.5)	360	1080	1944	2981



Market Size

Projected Conversions	2017	2018	2019	2020
Optimistic (25%)	54	162	292	447
Neutral (7.5%)	27	81	146	224
Pessimistic (2.5%)	9	27	49	75



SWOT Analysis

STRENGTHS

- Simple and Effective
- Maintains Quality
- Bundled Services
- Acts as Accessory

WEAKNESS

- Calibration Errors
- Assembly Errors
- Commercialization of product
- Chamber condition

OPPORTUNITIES

- Better than current process
- High percentage of users facing issues
- First mover advantage
- Leveraging industry ties

THREATS

- Reproducibility
- Losing competitive advantage

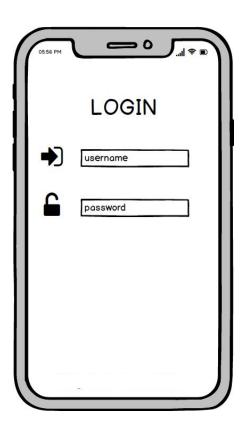


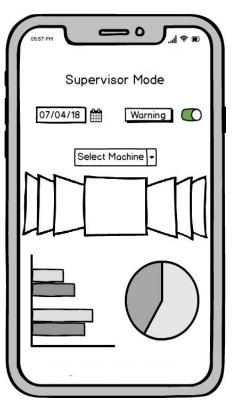
Technical Suggestions

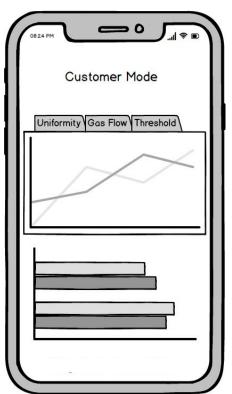
- Modular design
- Simple yet unique design
- Active solution
- Smartphone App

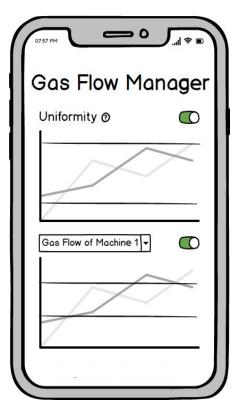


Value Added Services



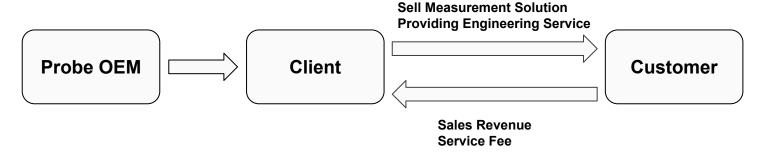






Business Model

- Direct business with the end-user customers
 - Basic business model to sell the gas-flow solutions
 - Provide engineering services



Advantage	Risk
Easy to Setup or To start business	 New business in the industry - No dominant design Finding a customer without a sales network Easy to imitate the solution

Business Model - Risk Mitigation

Risk Factors	Mitigation Strategy
New Solution in the industry	 Find monetary value of customer benefit Provide practical service to enhance quality
Lack of customer network	 Find partner and utilize its network Active collaboration for verifying the solution
IP Protection	 Secure extensive patents not limited to the current idea Update the solution with unique components



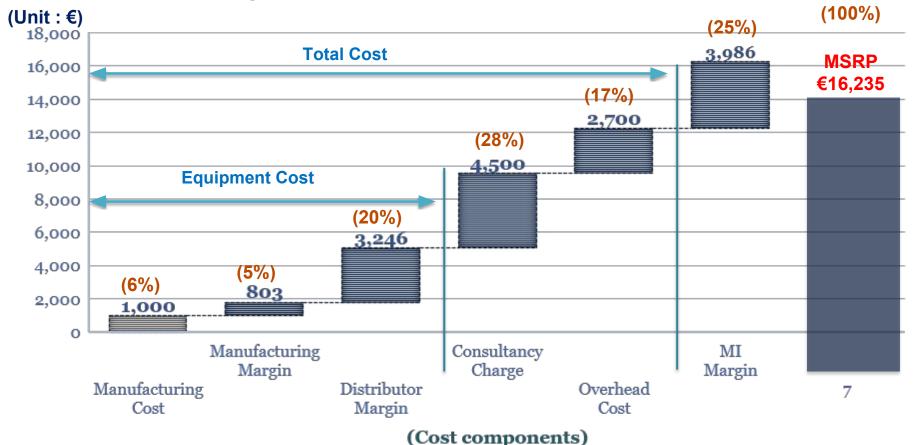
Revenue Models

Model	Advantages	Disadvantages
Outright Sell Model	Basic model	 Difficult to find hidden cost Underestimates the real costs overlook real value of product
Subscription Model	 Recurring revenue model Low initial cost burden for the customers 	 Low switching cost Longer period to recover costs Require high working capital
Freemium Model	Fast market penetration	 Highest working capital Requires time to generate revenue



Outright Sell Model

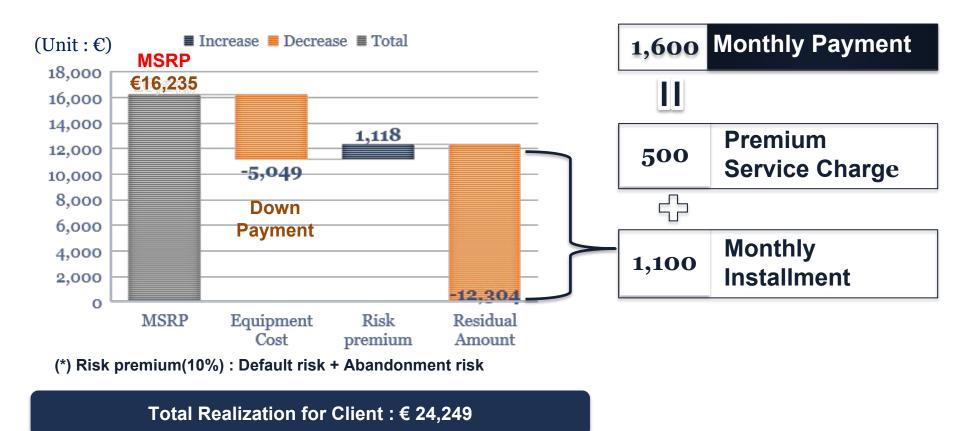
Cost-based Pricing : €16,235



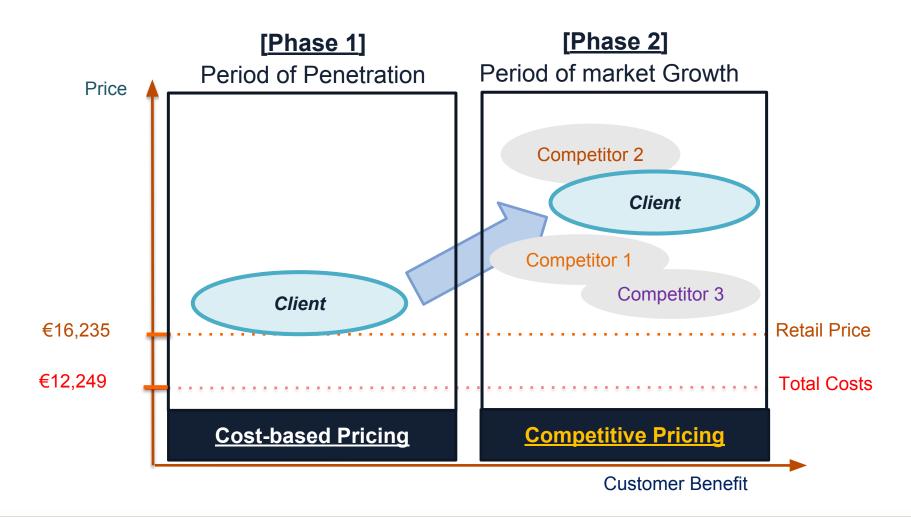


Subscription Model

Down payment € 5,049 + monthly payment € 1,600



Pricing Strategies





Channel Partner Incentive Structure

 Average retail and distributor margin

Product category	Distributor	Retailer
Fast moving consumer goods	3-10%	8-40%
Clothing and apparel	15-30%	20-50%
Electronics like mobile phones	3-7%	3-7%
Cars		5-15%
Furniture		30-50%
Jewelry		30-60%
Electrical equipment and lights	5-7%	15-25%

	Price point of the accessory	Commission for manufacturers	Commission for distributors
Average rate of Additive Manufacturing industry	€ 80000	3-5%	8-10%
Average rate of electronic industry		Starts at 5%; Avg between 7-15%	20% for resellers
Recommendation	€ 16235	5%	20%

Sources: https://www.allianceexperts.com/en/knowledge/what-is-a-reasonable-margin-for-your-distributor/



Recommendations

Go/No Go Decision

Our recommendation is to Go ahead

Realization of short-term goal (2018 – 2020)

Best Case Scenario	Worst Case Scenario
447 Clients	75 Clients

- Providing Bundled Services will help maximize profits
- Additionally, opting for subscription based revenue model guarantees recurring revenue generation.

Questions



Thank You!

