

APPLYING ELEMENTS OF UNICORN BUSINESS MODELS IN A HUNGARIAN STARTUP

Flórián Balázs Vámosi

Trade and Marketing BSc Part-Time

Institute of Agricultural and Food Economics

Insider subject leader: Bernadett Horváthné Dr. Kovács, associate professor, deputy head of institute for education, Institute of Rural Development and Sustainable Economy, Department of Digitalization and Consultancy in Agriculture

The stage is set by highlighting the thriving Hungarian startup ecosystem, notably exemplified by Ultimate Waterprobe's emergence as a key player in the Cleantech sector. Despite this success, Hungarian startups face significant challenges, particularly in securing funding and navigating regulatory complexities. Drawing on the CEO's firsthand experience and insights gained from international accelerators, the introduction emphasizes the importance of leveraging unicorn business models, like those employed by SpaceX and Airbnb, to drive innovation and growth within the Hungarian startup landscape.

The impact of tech unicorns on aspiring entrepreneurs is profound, as these companies not only revolutionize industries but also establish new standards of entrepreneurial achievement. Their influence spans various crucial domains.

Tech unicorns are renowned for their disruptive nature, constantly striving to redefine and dominate their respective industries. By challenging traditional paradigms and introducing innovative products and services, they showcase technology's transformative potential in today's digital landscape.

Moreover, tech unicorns wield significant economic power. Their presence generates employment opportunities and attracts investments, thereby stimulating both local and global economies. Additionally, they catalyze the growth of supporting industries such as venture capital firms, accelerators, and the broader startup ecosystem. Ultimately, tech unicorn success stories inspire and motivate startups, fostering a culture of innovation and ambition within the startup community.

This study aims to comprehensively examine the business models and strategies employed by tech unicorns, with a special emphasis on applying elements of these models to a Hungarian startup, specifically the author's venture, Ultimate Waterprobe. Through this investigation, the study seeks to identify common characteristics of tech unicorn business models, analyze the drivers of their growth, and identify challenges they face in maintaining competitiveness and expansion.

Furthermore, the research explores how elements of unicorn business models can be adapted to leadership practices within startup environments, offering valuable insights into their practical implementation. Additionally, the study endeavors to investigate the broader impact of tech unicorn business models on the entrepreneurial landscape, shedding light on their influential role within the startup ecosystem.

Research Questions:

What are the key characteristics that define tech unicorns, and how do these characteristics contribute to their success?

How have Airbnb and SpaceX, as prominent tech unicorns, harnessed their business models to achieve their respective successes?

How can elements of unicorn business models be applied to leadership in startup environments, and what insights and strategies can be derived from this application?

The study adopts a qualitative and descriptive approach, primarily employing the multiple case study method to examine two US-based unicorn startups. Selection criteria included one hardware and one software startup, with one having a co-founder with a previous unicorn company and the other with no prior exits. SpaceX and Airbnb were chosen using a list randomizer from the database of unicorns. Data collection involved document and content analysis of corporate homepages to visualize the business models using the Business Model Canvas.

To answer the third research question, the process of creating the author's startup, Ultimate Waterprobe, was explained, incorporating elements of unicorn business models. Primary data was derived from the author's participant observation as the CEO of Ultimate

Waterprobe from November 2020 to November 2023, utilizing methodologies outlined by Aulet, Ries, and Maurya, and depicted on the Business Model Canvas for this study.

The case studies examine two tech unicorns, Airbnb and SpaceX, to understand their disruptive business models and key success factors. Airbnb revolutionized the hospitality industry through its peer-to-peer marketplace model, while SpaceX disrupted space exploration with reusable rocket technology and strategic partnerships.

Airbnb case study

Airbnb operates a peer-to-peer marketplace, charging platform fees and prioritizing user trust through reviews and host guarantees.

Disruption of traditional hospitality, user-centric approach, global expansion, community building, and diversified income streams made Airbnb successful.

Regulatory hurdles, ensuring consistent quality, and impacts of the COVID-19 pandemic were the biggest challenges.

The biggest lessons to learn from Airbnb's case are that innovation disrupts industries, user trust drives loyalty, navigating regulatory challenges, and leveraging global expansion.

SpaceX case study

SpaceX's vertically integrated business model includes in-house manufacturing, reusable rockets, government and commercial contracts, and private investments.

The key success factors were founder dedication, reusable rocket technology, strong partnerships, rapid iteration, and private investment.

SpaceX's biggest challenges were technical hurdles, the competitive nature of the aerospace industry, regulatory compliance, and mission risks.

Lessons to learn from SpaceX's case: ambitious goals drive innovation, reusability ensures sustainability, public-private collaborations, and visionary leadership.

Integration of unicorn business model elements into Ultimate Waterprobe:

Founded in 2020, Ultimate Waterprobe offers integrated solutions for water quality management in aquaculture.

The company's business model was constructed using elements from unicorn business models. The business model was examined using the business model canvas.

Overcoming development costs, market penetration challenges, and achieving milestones through partnerships and investments were the biggest challenges for the company.

Targeted problem-solving, product-market fit, recurring revenue with diverse streams, scalability, innovative technologies, and continuous market feedback. Overall, Ultimate Waterprobe's adoption of unicorn business model elements demonstrates its commitment to innovation, customer-centricity, and sustainable growth within the aquaculture industry.

The study concludes by highlighting key characteristics of tech unicorns and their applicability to startup leadership. Tech unicorns are defined by groundbreaking innovation, scalability, market leadership, network effects, sustainable competitive advantage, visionary leadership, and substantial funding.

Airbnb and SpaceX exemplify the principles of tech unicorns in disrupting their respective industries. Airbnb revolutionized hospitality with a scalable platform and global network, while SpaceX reshaped space exploration through reusable rockets and diversified revenue streams.

Implications for Startup Leadership:

Clear value proposition, startups should offer solutions to valid problems.

Agile approach, succeed or fail fast to iterate and improve.

Scalable business models, design for growth without disruption.

Customer-centricity, understand and deliver value to target markets.

Harness network effects, create value as user base expands.

Competitive advantage, build uniqueness through technology, features, or data.

In essence, while there's no blueprint for achieving unicorn status, startup leaders can learn from tech unicorns to build agile, customer-centric, and scalable businesses capable of setting ambitious goals and adapting quickly to succeed or fail fast.