

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Student Name	Student ID	Topic
Elvis Ehidiemen Uagbor	2018315	Introduction, Background, Conclusion, Reference
Bryan Siasi Doti	2027591	Challenges before introducing Modern Technology
Gennarelli Francesco Pio	2028772	Insight of Modern Technology
Salica Dsouza	2027235	Impacts of Modern Technology
Bernard Ofori Agbenyegah	1908933	Lessons drawn from the case study

Name Of the Lecturer: **Koushik Modak** | Name of the University: **University of Wales Trinity Saint David** |
Presentation Date: **20-08-2021**

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Table of Contents

- ❖ Introduction
- ❖ Background of the Organisation
- ❖ Challenges before introducing Modern Technology
- ❖ Insights of Modern Technology Introduced
- ❖ Impacts of Modern Technology
- ❖ Lesson Drawn from the case study
- ❖ Conclusion
- ❖ References
- ❖ Q&A

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

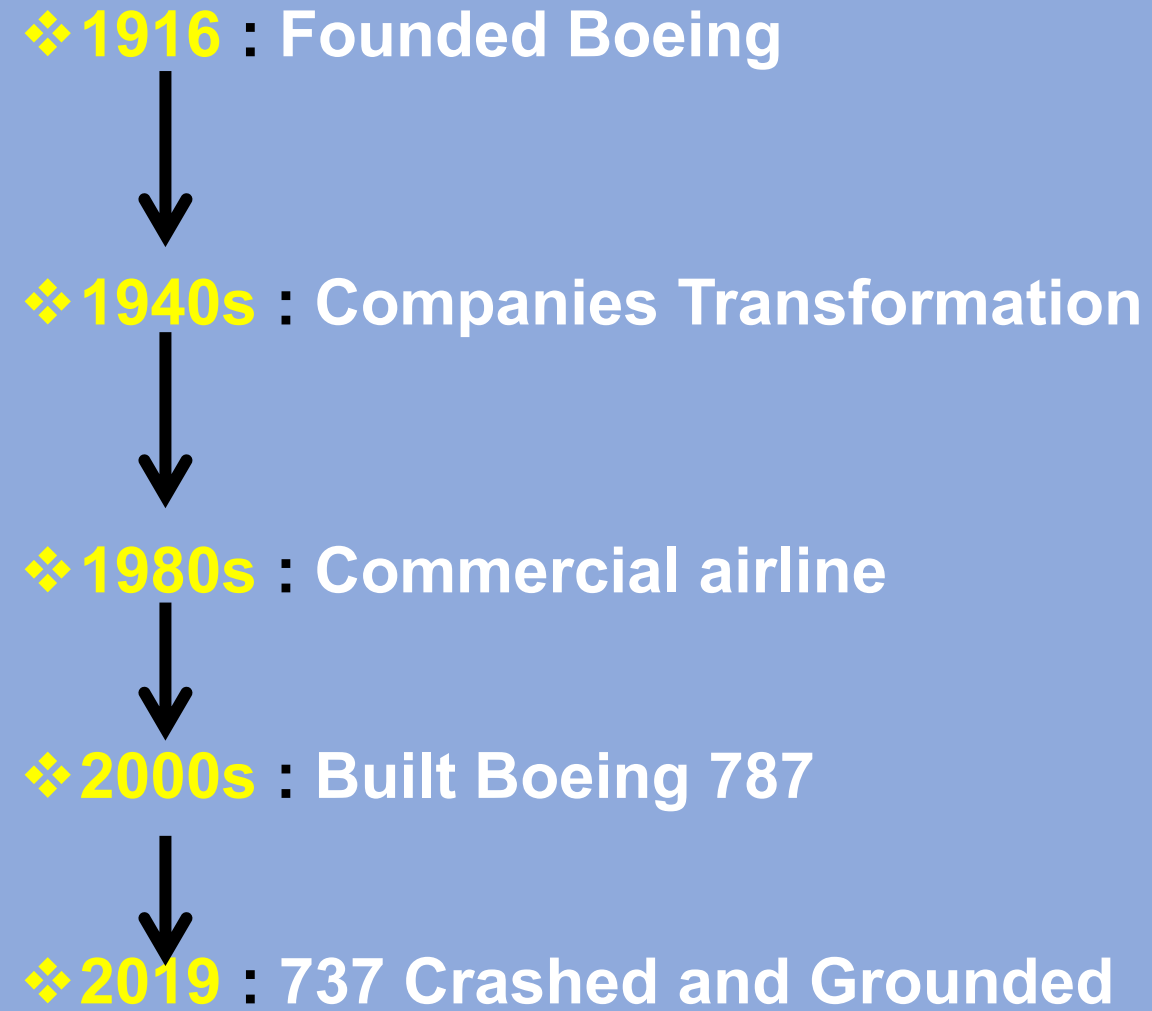
Introduction

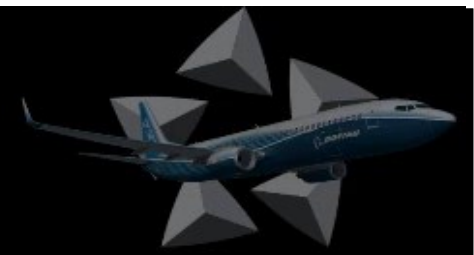
❖Members: “Focusers Group”

❖Company: BOEING

❖Technology: Robot

HISTORY AND BACKGROUND





(Harvey, A. R, 2020)

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Aims and Objective

- ❖ Operate as One Boeing
- ❖ Build Strength on Strength
- ❖ Sharpen and Accelerate to Win

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Goals

- ❖ 2025 and beyond:
- ❖ Market Leadership
- ❖ Accelerated Innovation
- ❖ Best Team, Talent and Leaders

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Status – Now and Future

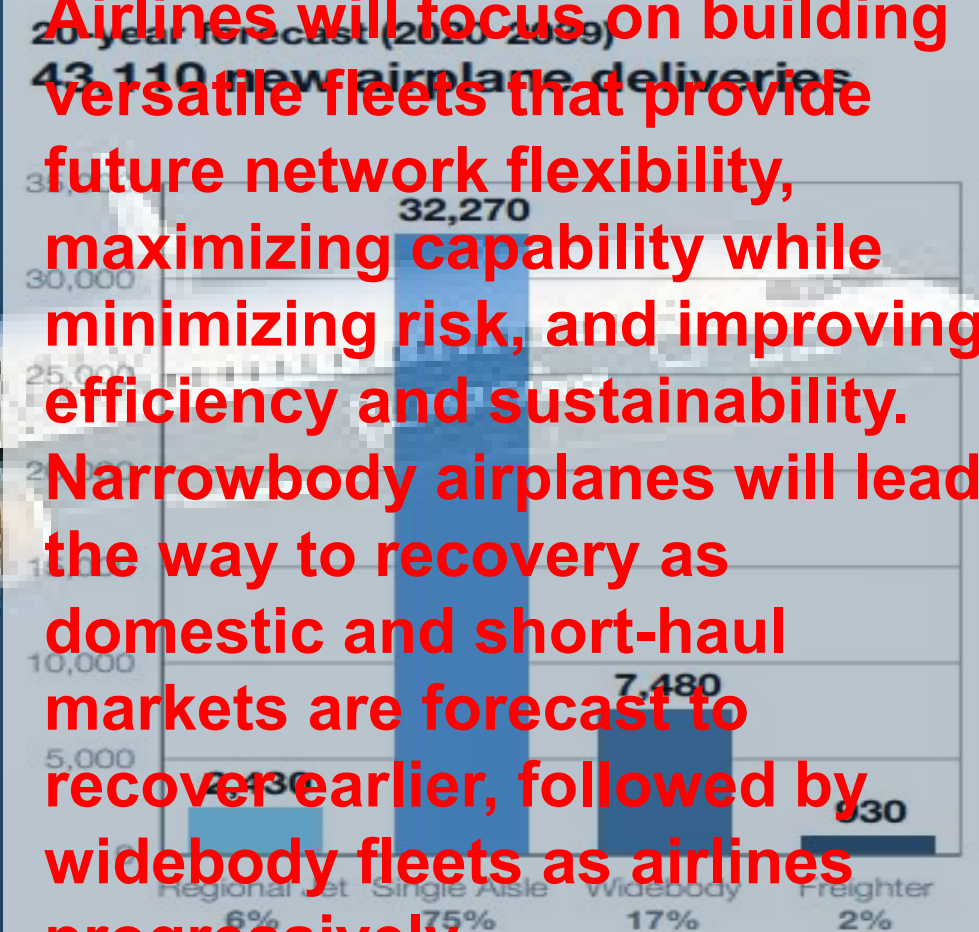
The current market disruption will shape airline fleet strategies into the future as airlines make decisions to renew their fleets into the medium term and grow again into the longer term. The 2020 CMO reflects a combination of the unprecedented near-term industry disruption and the long-term resilience we have seen for decades.



(Hulst, D. 2020)

(Hill, S. 2006)

Airlines will focus on building versatile fleets that provide future network flexibility, maximizing capability while minimizing risk, and improving efficiency and sustainability. Narrowbody airplanes will lead the way to recovery as domestic and short-haul markets are forecast to recover earlier, followed by widebody fleets as airlines progressively



BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

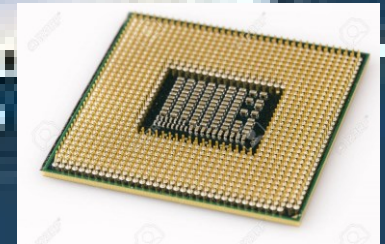
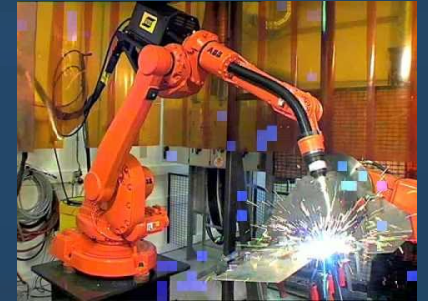
Challenges before introducing Modern Technology



BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Insights of the Modern Technology Introduced

- ❖ what is a robot?
- ❖ robot components
- ❖ robot models
- ❖ advantages and disadvantages
- ❖ the robots in the Boeing



BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Impacts of Modern Technology Introduced

Positive:

- ❖ Safety
- ❖ Technology Safety
- ❖ Human Factors
- ❖ New Technology Benefits
- ❖ Smarter Systems

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Impacts of Modern Technology Introduced

Negative:

- ❖ Dependence on Technology
- ❖ The Innovation risk

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

Lessons drawn from the case study

- ❖ Traditional
- ❖ Modern
- ❖ Consequences - Without Modern Technology
- ❖ Consequences – With Modern Technology

Conclusion

We saw the journey of Boeing, how he started and conquered the sky. Starting from humble background of being a lumber man to plane manufacturing. Involves in building Military, Commercial and Space air crafts. Also prominent in spaceships and shuttle in collaboration with NASA Still doing very well and going stronger till today.

Getting people around has not been great but it was a good experience

Broaden my knowledge in aviation

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

References

Bearman, S. (2020) *Boeing trip through the skies: A Timeline of the company*, Available at: <https://www.thestreet.com/video/boeings-trip-through-the-skies-a-timeline-of-the-company> (Accessed 01 August 2021).

Harvey A. L. (2020) *Evolution of Boeing Aircraft (1916 - 2020): [video]*. Available at: https://www.youtube.com/watch?v=FbwQ_puXwPw (Accessed: 08 August 2021).

Hill S. (2006) 'Leadership Message Defining Process of Growth', The Frontiers October. Available at: https://www.boeing.com/news/frontiers/archive/2006/october/i_lm.pdf (Accessed 08 August 2021).

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

References

Hulst D. (2020) *Commercial market outlook*, Available at: https://www.boeing.com/resources/boeingdotcom/market/assets/downloads/2020_CMO_PDF_Download.pdf (Accessed on 20-07-2021).

Thompson L. (2016) *Boeing turns 100 Available: Five Reasons It Survived while Competitors Died*, Available at: <https://www.forbes.com/sites/lorenthompson/2016/07/14/boeing-turns-100-five-reasons-it-survived-while-competitors-died/?sh=35a790b67114> (Accessed: 04 August 2021).

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

References

Werber E. (2012) *Branch of Propaganda*, Available at:

<https://fsxaibureau.com/propaganda/> (Accessed: 26 July 2021).

<https://www.linkedin.com/pulse/5-key-features-every-industrial-mobile-robot-system-mike-oitzman> [Accessed] on 29-07-2021

[mobile-robot-system-mike-oitzman](https://www.linkedin.com/pulse/5-key-features-every-industrial-mobile-robot-system-mike-oitzman) [Accessed] on 04-08-2021

<https://robotsdoneright.com/Articles/main-components-of-an-industrial-robot.html> [Accessed] on 14-07-2021

BOEING AS A COMPANY.... ROBOT AS A TECHNOLOGY

References

www.seattletimes.com [Accessed] on 05-08-2021

www.thisdayinaviation.com [Accessed] on 17-08-2021

<https://www.boeing.com/features/innovation-quarterly/nov2017/feature-technical-cobots.page>

O'Connell B (2020). <https://www.boeing.com> [Accessed] on 20-07-2021

<https://www.boeing.com/company/about-bca/aviation-safety.page>