

FORTITUDE

Details about the Film for potential Events

Torsten Hoffmann



Torsten Hoffmann – Profile and Global Audience

Torsten Hoffmann is a award-winning filmmaker from Germany who has built a large international audience. In less than three years CRYPTOPIA (2020) has reached hundreds of millions of broadcast TV homes, won 16 international film festivals and is now available on Amazon Prime, Netflix Europe, ARD Mediathek and many international airlines. Torsten's reputation in the world of technology has grown since his debut documentary END OF MONEY (2015) which was published when Bitcoin was trading at \$250.

His latest production, FORTITUDE highlights another emerging industry poised to fuel a trillion-dollar economy: The Space Renaissance.

Far more than just a tech enthusiast and journalist, Torsten is also a practitioner having founded several and funded many companies. His style of storytelling is therefore at a higher level of sophistication with the aim of immersing the audience deeply into a topic. As a lifelong reader of science fiction FORTITUDE is a passion project for Torsten.



COUNTRY	NAME OF PLATFORM	TV/VOD
Worldwide	Al Jazeera English	TV
131 Countries	Amazon Prime	VOD
MENA	Al Jazeera Arabic	TV
Russia	MTS	VOD
SE Asia	TechStorm	TV
Europe	Netflix	SVOD
Germany	ARD/SWR	TV
Worldwide	Apple TV	VOD
South Korea	EBS	TV
USA	Rakuten Overdrive	VOD
Poland	TVP	TV
Australia & NZ	Foxtel	TV
Romania	TVR	TV
MENA	Abu Dhabi Media	SVOD
USA & Canada	Hoopla	VOD
Israel	Yes!	TV
Hong Kong	RTHK	TV
Norway	VG	TV
Croatia	HRT	TV
66 Countries	Vimeo on Demand	VOD
Slovenia	RTV	TV
Switzerland	RSI Italian	TV



FORTITUDE: Synopsis

FORTITUDE is a new documentary about the **people, perils and promises behind the emerging space industry and why it matters for us back on Earth.**

Sparked by humanity's unquenchable thirst for exploration, fuelled by capitalism's insatiable hunger for profits and propelled by breath-taking technological advances, a New Space Renaissance is emerging. Fortitude uncovers how a few influential individuals with utopian ideas and vast fortunes are forging a trillion-dollar off-world industry, while inspiring millions of us back on Earth. **This is the story of those who take the risks, invest the capital, and endeavour to turn science fiction into science fact.**

Follow award-winning filmmaker Torsten Hoffmann as he candidly meets leaders in the emerging space industry, including policy makers from the United Nations, The White House, renowned astrophysicist Neil deGrasse Tyson, leading venture capitalists, established technology companies such as Northrop Grumman and Eutelsat as well as ambitious start-ups such as Planet, Voyager Space, Exolaunch, and many more. **The film highlights that a new space age has dawned and challenges viewers to question the economic viability of the most hyped projects, sustainability way beyond planet Earth and why Space benefits all of us Earthlings.**



Interviewees

Neil deGrasse Tyson, **Astrophysicist**
Will Marshall, **Planet Labs**
Dylan Taylor, **Voyager Space/Starlab**
Sirisha Bandla, **Virgin Galactic**
Camille Bergin, **The Galactic Gal**
Niklas Hedman, **United Nations Office**
for Outer Space Affairs
Peggy Hollinger, **Financial Times**
Barbara Belvisi, **Interstellar Lab**
Peter Beck, **RocketLab**
Dr. Camille Alleyne, **NASA**
Dr. Ezinne Uzo-Okoro, **White House**
Office of Science & Technology Policy
Dr. Moriba Jah, **Privateer**
Dr. Paul Reichert, **Merck**

Dr. Anousheh Ansari, **XPrize**
Mark Dankberg, **Viasat**
Jose Acain, **AstroForge**
Sven Przywarra, **LiveEO**
Dr. Advenit Makaya, **European Space Agency**
Jeanne Allarie, **Exolaunch**
Harriet Brettle, **Astroscale (now at ESA)**
Paul Bate, **UKSA**
Sara Sabry, **Space for Humanity**
Mark Boggett, **Seraphim Space**
Katya Echazarreta, **Citizen Astronaut**
Chris Blackerby, **Astroscale**
Joe Anderson, **SpaceLogistics**
Tejpaul Bhatia, **Axiom Space**
Cynda Collins Arsenault, **Secure World**
Foundation



Exclusive Cinema Events

Sponsored events & the popcorn effect: A movie night can draw a bigger and more high-profile audience than regular 'panels' at a conference. Fortitude can create a "forum" for topics relevant to your organization and community!

Recent examples:

- Red carpet event inside the Library of Congress (Washington) with Congressmen and policy makers
- Virtual events with former CEO of Virgin Galactic
- Space Keynote at Tech conference (NewScientist Live)
- University event with ex NASA Chief Scientist
- "Sneak Preview" screening at WSBW in Paris
- Premiere in IMAX of Deutsche Museum, Munich



Early responses from launch events ...



Stories: Part 1



More rockets and astronauts are being launched into orbit than ever before and this “earth-to-space” economy has been getting a lot of media attention.

Sure, falling costs of launching anything into space is the main driver behind the Space Renaissance but there are many lesser-known companies with cutting-edge technology competing against SpaceX.



Space tourism is often derided as joyrides for the Rich, but we meet a new generation of inspiring diverse astronauts who are bringing space to the rest of humanity. We meet a Kiwi entrepreneur, a blind academic redefining disability in space as well as the first female Arab astronaut.



Stories: Part 2

Satellites have been around for a long time but now the quantity and quality of data generated by NewSpace constellations are enabling an entirely new space-to-earth economy worth billions.

As we learn about the different orbits and business models, we start to realize that a majority of climate science relies on satellites that can now be made and deployed cheaply. Space-Internet and readily available Earth Observation data empower farmers to grow more food and investigative journalists uncovering human rights violations.

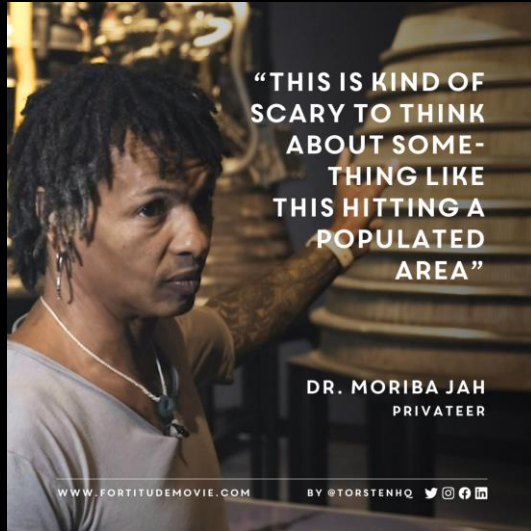


Stories: Part 3

... but it is getting crowded over our heads and space junk may put it all in danger! The space-to-space economy first needs to address a lethal threat.

This episode explains the physics and investigates space sustainability (which is high priority even for the United Nations). Many solutions to identify objects are presented. We visit a high-security mission control centre in Paris (Eutelsat) and were granted access into the military-industrial complex (Northrop). We also learn from lawmakers and regulators. This Chapter features new methods to re-fuel, tow or de-orbit satellites in space.

We then meet the decision-makers at NASA who are putting tax-payer money into private sector companies to build commercial space stations poised to replace the ISS. Their vision: To operate hotels (Hilton), conduct scientific research in microgravity (Merck) and manufacture materials with exceptional properties (ESA).



WRAP UP CHAPTER

Big questions remain. Will geo-political ambitions impede this Space Renaissance?

With a sparkling new space station already operational, how does the Chinese model differ from the rest of the world? Will profits and incentives behind private space outpace military efforts? Is the space renaissance largely funded by Government grants and contracts?




We end with a fascinating look into making asteroid mining a reality

This episode highlights the job creation engine and return-on-inspiration: A unique aspect of the space industry.



Production Stills





Thanks for your Attention.
With Fortitude,
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