

Jacob Mulder: We Are Building a Nation, So We Need Serious IT Behind It

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The Better Futures Conference on “Manufacturing and Babies in Space” was held on 7-9 Pisces 0006 (4-5 February 2022) as part of the [Star Fleet Enterprise](#) conference series. The event featured Asgardia’s officials, such as Minister of Manufacturing [Jacob Mulder](#), Minister of Culture [Cheryl Gallagher](#), and Asgardia Member of Parliament Dr. Egbert Edelbroek.

[Jacob Mudler](#) is originally from the Netherlands. In 1989, he graduated from the University of Groningen with a Master's degree in Astronomy and Information Technology. He is also a certified IT systems specialist (CISSP, information security). Works as an IT security and enterprise architect at CGI, an international IT company. Jacob is also Chair of Paletzorg, a healthcare partnership.

[Jacob](#) is in a reclining electric wheelchair because gravity squeezes his spine. He therefore plans to emigrate to space in less than 15 years.

After the speakers’ introduction, an immediate reaction from the chat surprised the host. There were Asgardians in the audience, greeting the speakers and sharing their

experience with the Space Nation.

Jacob was the first to give his presentation called “Asgardia Manufacturing: Intro & Update”. It was a short presentation about Asgardia and manufacturing dedicated to sharing information about Asgardia and manufacturing, giving updates on where we are now in the context.

The agenda of the presentation was composed of the following topics:

- Minister / Ministry of Manufacturing
- Asgardia Institute of Standards
- Next time
- Big time / Asgardia in space

Jacob enthusiastically invited the audience to Asgardia’s official website to join the First Space Nation.



Next, Jacob told more about Asgardia itself: “It is the First Space Nation, a real and complete nation.”

Jacob briefly introduced the state structure of Asgardia, told about the Government and the Parliament. He mentioned Solar, the national currency of Asgardia. Told about the transparent economy focused on scientific progress on Earth and in space. And, of course, he outlined the nature of Asgardia’s digital democracy. Since nobody is living in space as yet, Asgardia now remains to be a digital Space Nation.

Further on, Jacob told the audience about his own path in Asgardia. Since he studied astronomy, he was intrigued by the ideas of Asgardia.

In 0003 (2019), Asgardia held the [Asgardia Space Science and Investment Congress](#) in Darmstadt, Germany. The event brought together scientists, innovators, space experts, investors, entrepreneurs from all around the world. During the event, Jacob Mulder gave his own presentation, Sustainable Space Colony Swarm Architecture, on the [swarm architecture concept](#) of a space colony.



After the event, Jacob learned more about Asgardia and decided to run for Parliament during the [by-elections](#) held in 0004 (2020). Jacob was elected as a Member of Parliament after the digital voting was held. After about a year in Parliament, Jacob was asked by the Head of Nation, Dr. Igor Ashurbeyli, whether he would like to become the Minister of Manufacturing. Jacob hereby took the position.

“And I have a personal interest in that. You saw my wheelchair, I have a problem with gravity. I studied astronomy, and I do know what gravity is and I do know that you cannot do much about it here on Earth... I really have to go to space in about 15 years, as this wheelchair might not be enough,” Jacob shared while inviting the audience to see his website dedicated to the topic, <http://jacobto.space> .

“Gravity is squeezing my spine, so a self-fulfilling prophecy: I want and need to emigrate to space in less than 15 years from now,” he shared in the presentation.

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“As the Minister of Manufacturing, I first want to lay a proper foundation for the support and the growth of Asgardia, the Space Nation, to seriously prepare us for living in space. One of the things that you have to do for that is to approach,” Jacob said.

Thus Jacob led to the next part of his presentation: Asgardia Manufacturing & Integration Approach. He talked about component-based development and the importance of integral approach while paving the way to living in space. This approach has to be secure, robust, sustainable, business-focused. As a Minister, Jacob is working on various frameworks that would allow the manufacture in Asgardia to develop.

Jacob told about another important part of the foundation he is energetically building — the Asgardia Institute of Standards, which is now being actively developed.

“Another thing that you really need is standards, because bad things will happen if half of the people work in inches or yards or pounds, and the others work in metres and seconds. Things will go horribly wrong, and they have gone horribly wrong in the past,” Jacob said. “So we created the [Institute of Standards](#).” The Minister of Manufacturing outlined the importance of such an institute for the further component-based development and integral approach and invited the audience to learn more about it on the official website, <https://asgardia.instituteofstandards.space>.

Jacob briefly spoke about the implementation of the Asgardia Project Management Framework and the process of setting up Asgardia collaboration environment including Asgardia File Share. “I want to professionalise those things,” Jacob outlined. “We are really building a Nation, so we really need serious IT behind it,” he said.

The Minister of Manufacturing invited the viewers to join him and his ministry or any of the 12 ministries of Asgardia: “We need more people”.

“Join us! Go to [Asgardia.space](https://asgardia.space) and join us!” asked Jacob.

He then concluded with inviting the audience to the next session of Better Futures. The event will be devoted to space station manufacturing and the sustainable space colony concepts.

The full broadcast is available [here](#).