



INDUSTRIE & WIRTSCHAFT

Frank M. **Salzgeber**

You need more Space

7. NÜRNBERGER UNTERNEHMER-KONGRESS 2017

MONTAG, 23. JANUAR 2017
NCC OST - NÜRNBERGMESSE

Vortragsanfragen unter:

Speakers Excellence Alpine GmbH

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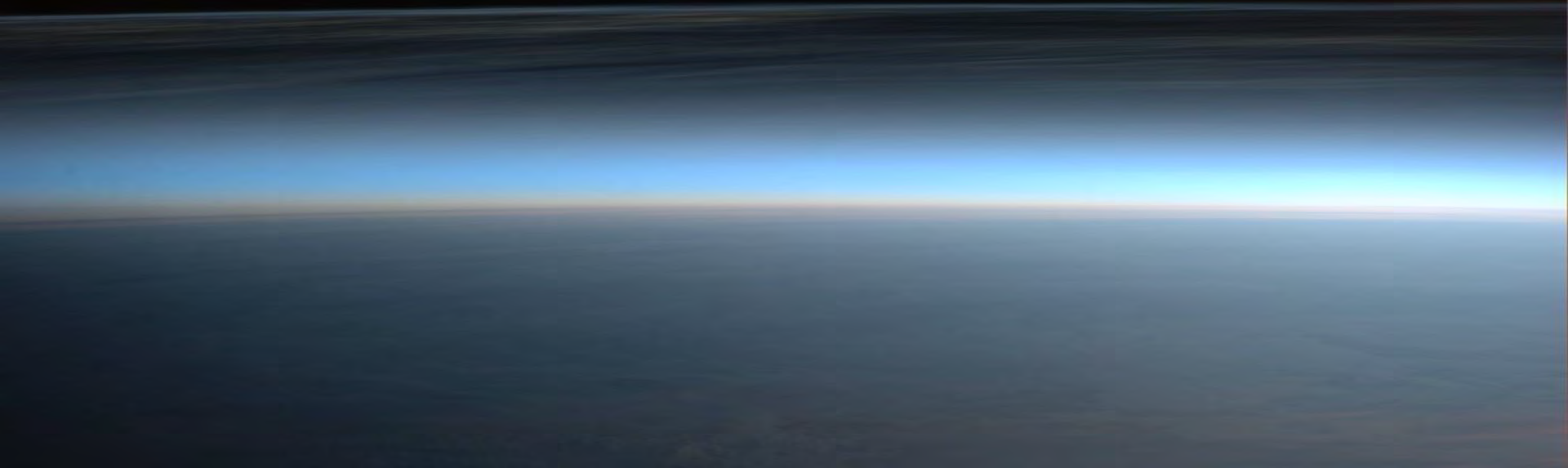
Tel: +49 (0)711 75 85 84 81

Fax: +49 (0)8031 80 91 33 11

Email: alpine@speakers-excellence.de

Internet: www.speakers-excellence.de

Best view of to of world

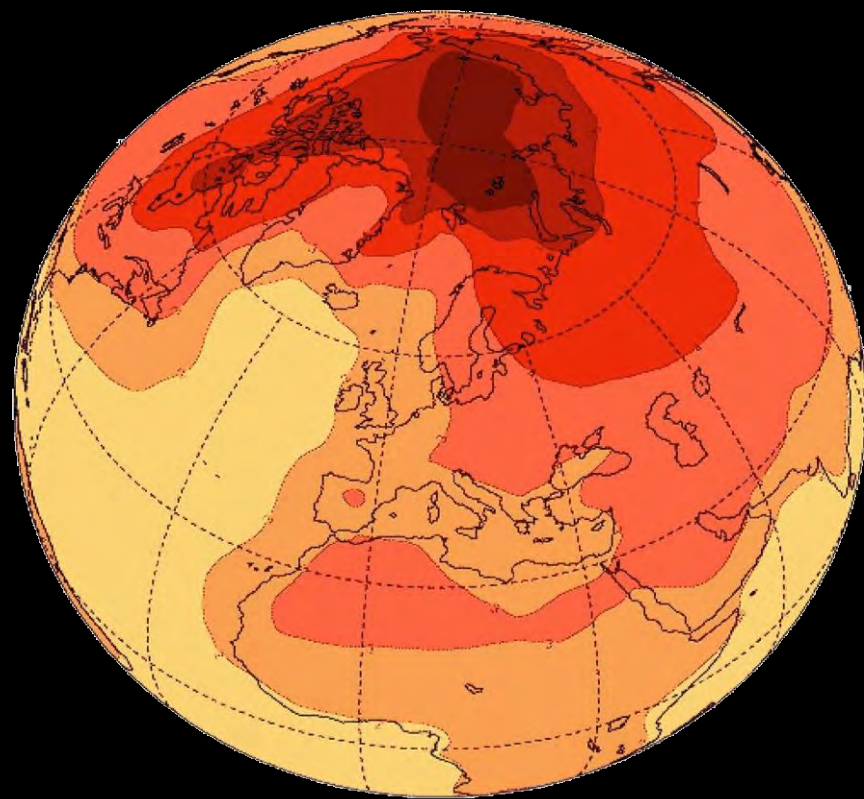


You need more Space

Viewing beyond







ExoMars





Water on Mars?



Searching for life



Space solutions



Landing on
Comet 67 P/
Churyumov- Gerasimenko

Telecommunication and connecting people



Galileo
Navigate Europe



Just rocket science

Ariane 5 and Soyuz



A society that stops exploring
is a society that stops progressing



Leaving home



Coming home





Home in the sky



The best job of the world



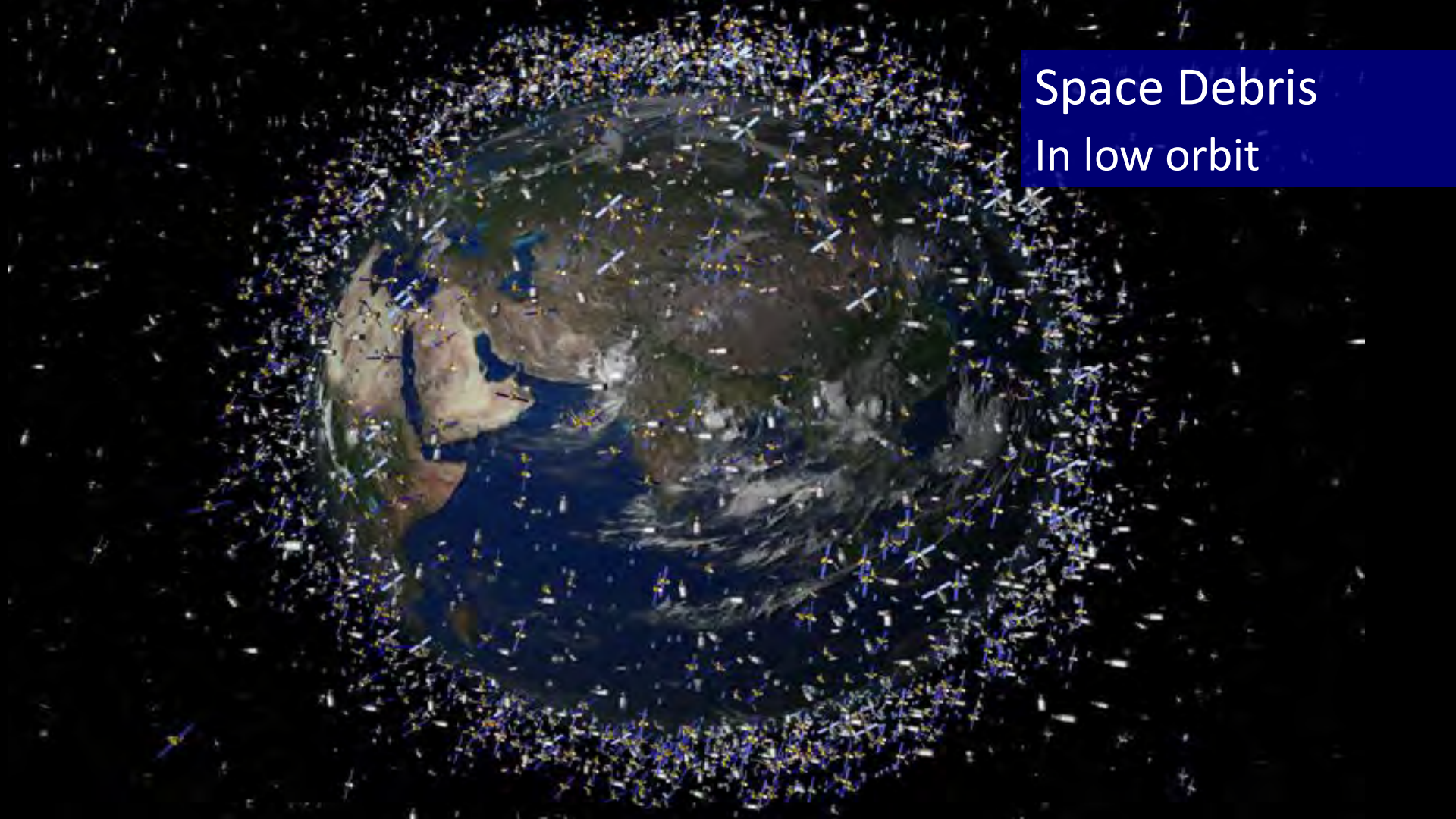
Best view of to of world



Best view of to of world

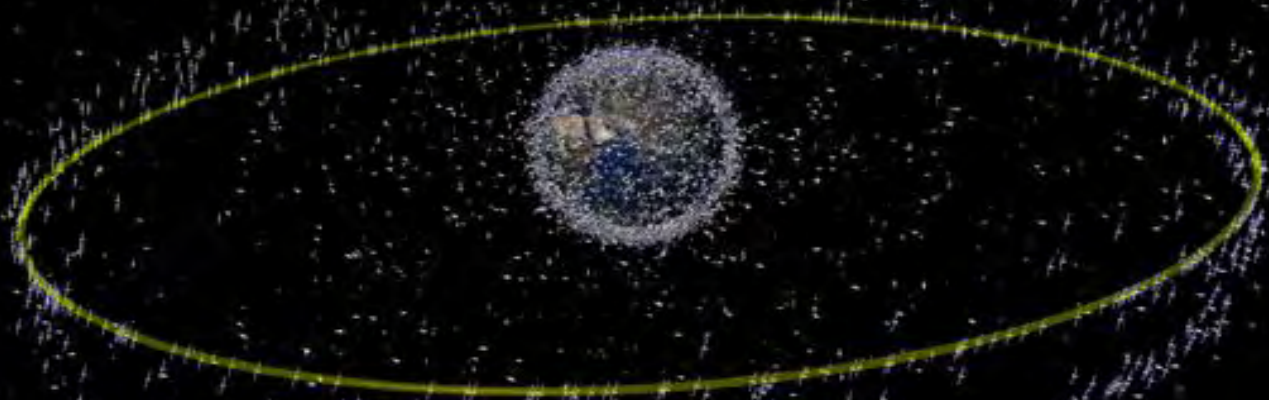


Best view of to of world



Space Debris In low orbit

Heavy traffic





Moon village
Ready for the gold rush

Space today
54 Satellites
99% of the world population



Buying a satellite today



CubeSatShop.com | islspacex.nl | isllaunch.com

The one-stop-shop for all your CubeSat and nanosat systems...

Welcome to the CubeSatShop, the one stop webshop that offers a broad range of products for CubeSats and nanosatellites in general. The webshop offers standardized, off-the-shelf components and subsystems from a variety of manufacturers.

Categories



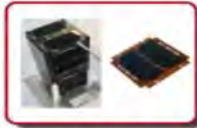
CubeSat Structures



Communication Systems



Power Systems



Solar Panels



Attitude Control Systems



Antenna Systems



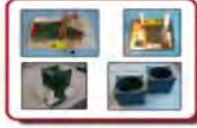
Command & Data Handling



Cameras & Payloads



Launch Adapters



Support Equipment



CubeSat Kits and Buses



Training Simulator



Your Systems
or Products on
CubeSatShop?

CubeSatShop.com is an ISIS initiative

Login to Cubesatshop

Username

Password

Remember me

Login

[Forgot your password?](#)

[Forgot your username?](#)

Shop News

New products from MAI



Maryland Aerospace Inc. is introducing new products that are now available on the CubeSat Shop. Among them is the first star tracker to be available on the shop, as well as new sun sensors, Earth sensor, reaction wheels and an upgraded version of the MAI-400 integrated ADACS.

Invest - The best solution to demonstrate technology in space



If you have an IOD/IOV technology and you are in search of a mission service, or if you would like to offer an IOD/IOV P/L host.

Home

CubeSat Structures

Communication Systems

Power Systems

Solar Panels

Attitude Control Systems

Antenna Systems

On Board Computers

Launch Adapters

Support Equipment

CubeSat Cameras

CubeSat Kits and Buses

Ground Stations

Training Simulator

Propulsion & Pressurisation

QB50

QB50 & CubeSatShop

QB50 Subsystems

QB50 Challenges

QB50 Satellites & Services

Custom Solutions

FAQ

Vendor Information

GLOBAL SATELLITE INDUSTRY REVENUES IN CONTEXT

2	Apple	\$ 182,8	billion
4	Amazon	\$ 89,0	billion
5	Google	\$ 66,0	billion
7	Coca Cola	\$ 46,0	billion
8	McDonald's	\$ 27,4	billion
10	Facebook	\$ 12,5	billion
11	Avis	\$ 8,5	billion

GLOBAL SATELLITE INDUSTRY REVENUES IN CONTEXT

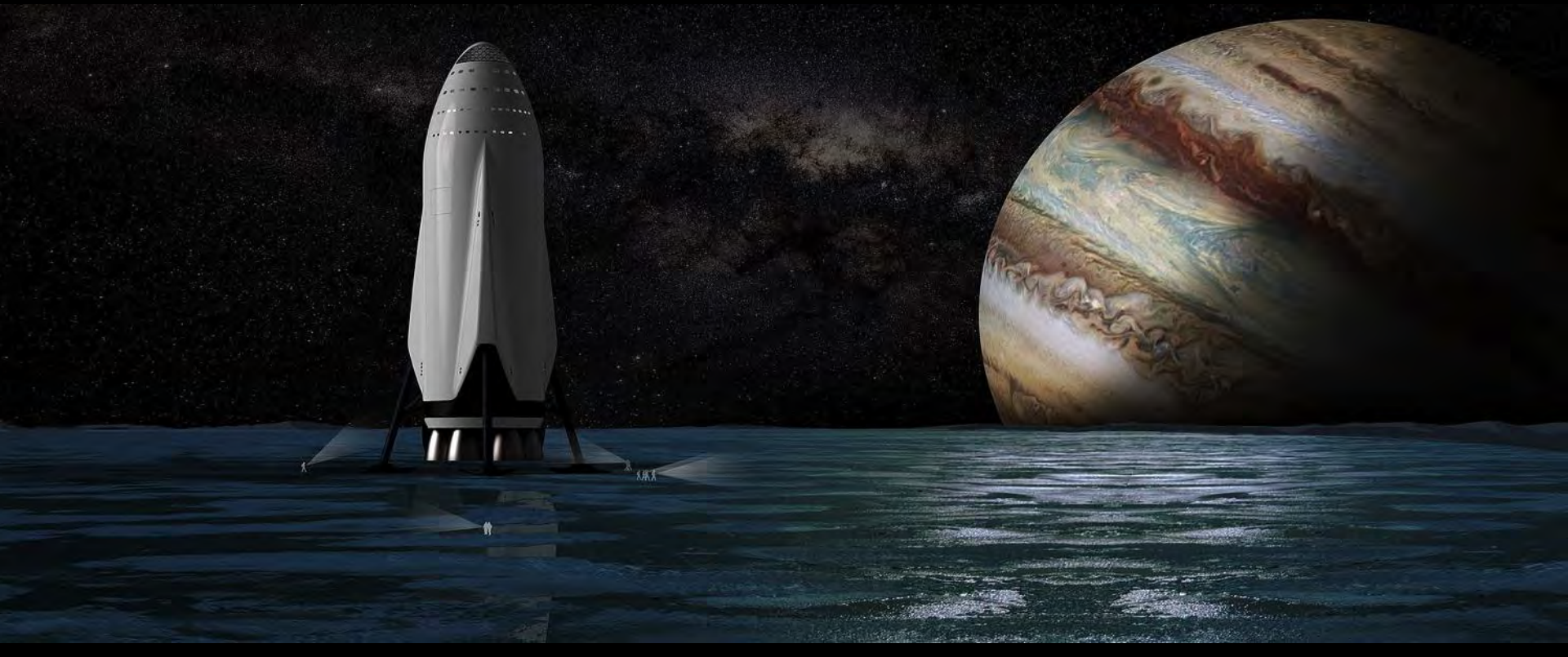
1	Satellite industry total	\$ 203	billion
2	Apple	\$ 182,8	billion
3	Satellite services	\$122,9	billion
4	Amazon	\$ 89,0	billion
5	Google	\$ 66,0	billion
6	Satellite ground equipment	\$ 58,3	billion
7	Coca Cola	\$ 46,0	billion
8	McDonald's	\$ 27,4	billion
9	Satellite manufacturing	\$ 15,9	billion
10	Facebook	\$ 12,5	billion
11	Avis	\$ 8,5	billion
12	Satellite launch	\$ 5,9	billion

GLOBAL SATELLITE INDUSTRY REVENUES IN CONTEXT

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Space in the 2030





SCIENTIFIC METHOD / SCIENCE & EXPLORATIO

SpaceX releases deck camera footage of Falcon 9 almost-landing

Precision touch-down is still a tremendous achievement—but it needs more touch.

by Lee Hutchinson - Apr 16, 2015 11:00pm CEST



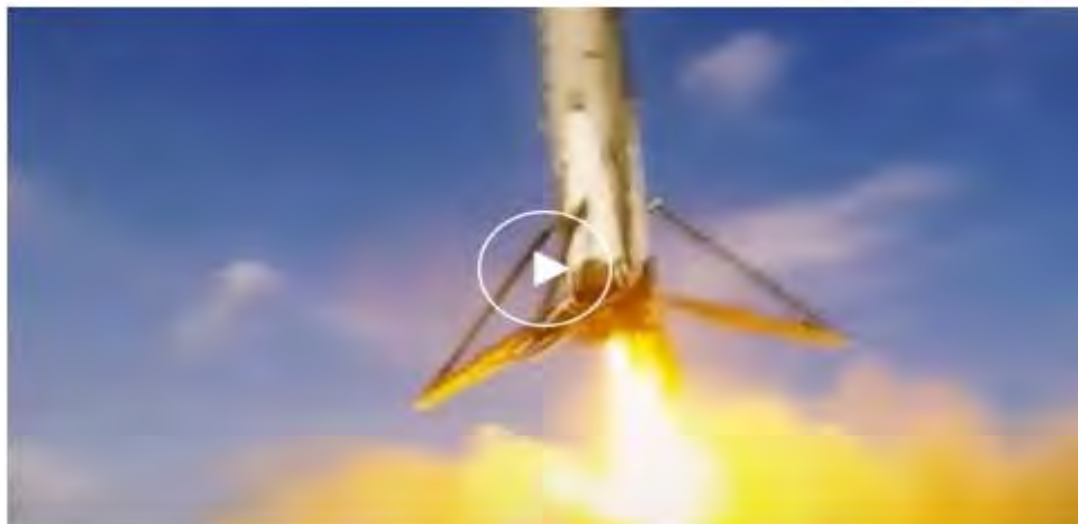
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Tweet



163



SpaceX failed again with landing trial
Launcher absolves crash landing

Welter

Suche

DIE WELT

Home Politik Wirtschaft Geld Sport Wissen Panorama Feuilleton ICON Reise PS WELT Regional Meinung

USA-Raumfahrt-Unternehmen-Luftfahrt: SpaceX scheitert abermals mit Landeversuch

NEWSTICKER USA-RAUMFAHRT-UNTERNEHMEN-LUFTFAHRT 15.04.15

SpaceX scheitert abermals mit Landeversuch

Trägerrakete absolviert Bruchlandung

Empfehlen Tweeten



impulse FÜR ALLE, DIE ETWAS UNTERNEHMEN

Geld, Geld, Geld

Wie Sie an Geld kommen – ohne Bank.

impulse

Geld, Geld, Geld

DER HOME & LIVING-STORE DER WELT

ICONIST

100 11640 0000



Elon Musk ✓

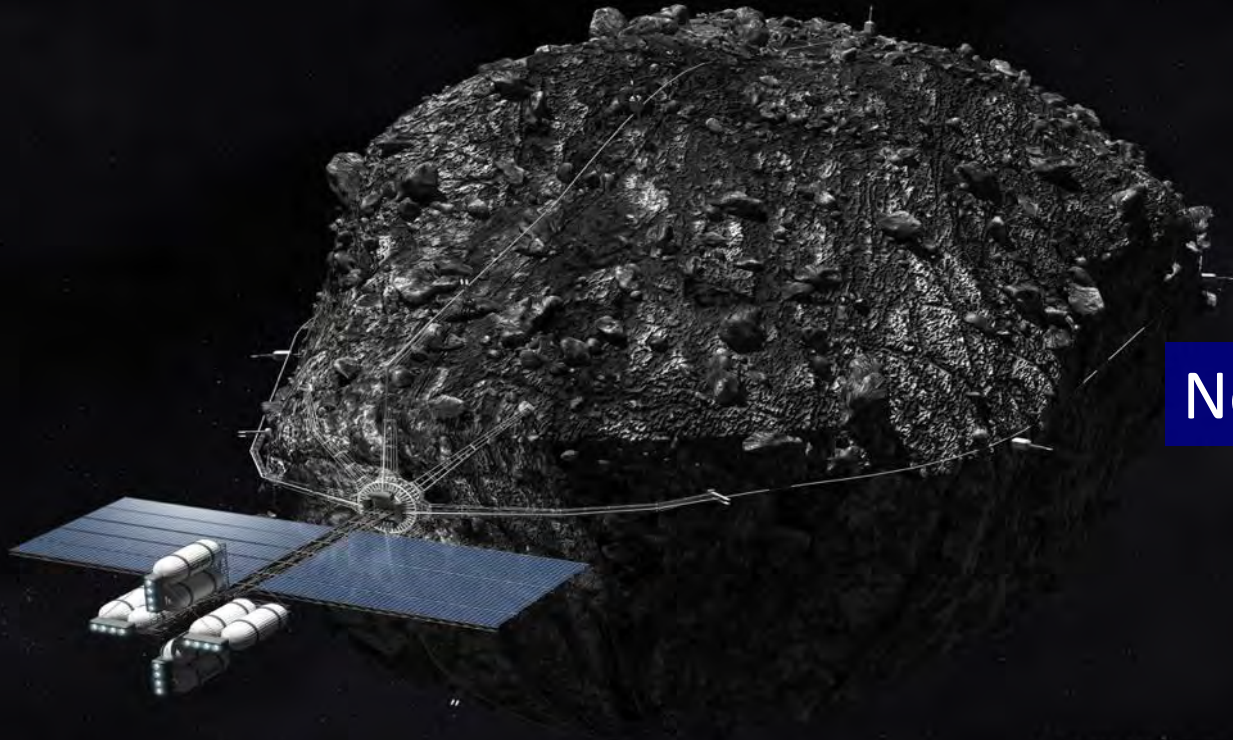
@elonmusk

+ Folgen

@ID_AA_Carmack Full RUD (rapid unscheduled disassembly) event. Ship is fine minor repairs. Exciting day!







New mining

DSITM
DEEP SPACE INDUSTRIES

HARVESTOR (TM) SERIES CONCEPT

BRYAN VERSTEEG

DEEPSPACEINDUSTRIES.COM

A landscape photograph featuring two large, leafless trees in the foreground, silhouetted against a clear blue sky. The trees are positioned on either side of the center. The ground is a flat, grassy field. In the background, there are faint, hazy hills or mountains. A thin white line, possibly a power line or a contrail, is visible in the upper right corner of the sky. A dark blue horizontal bar is overlaid on the left side of the image, containing the text 'Planting a tree' in white.

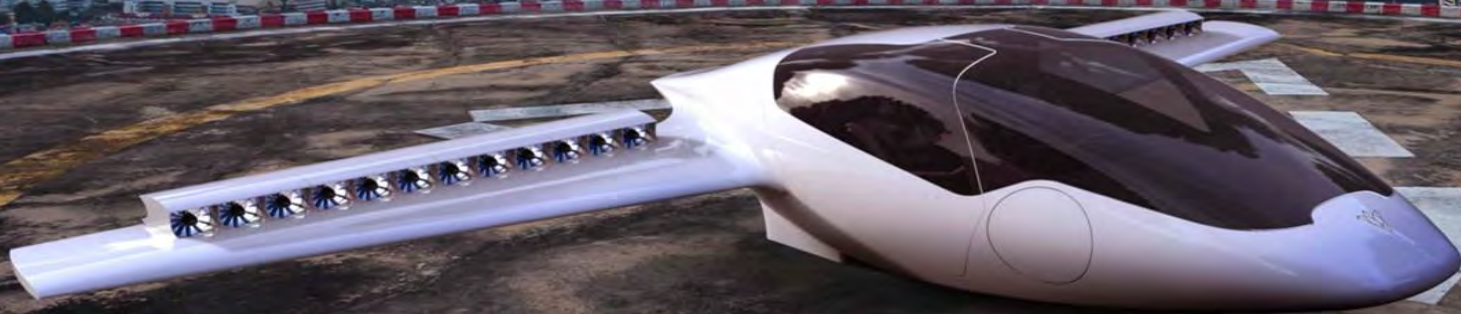
Planting a tree

LILIUM

One of 130 entrepreneurs
ESA supports every year



SPACE TECH STARTUPS DRIVE **NEW MOBILITY CONCEPTS**



Store History
One of over 320 spin-offs
ESA has supported



113
Startups
Incubated

89%
Survival Rate
after 5 Years

> 100
Mio.
Total Annual
Turnover

> 1,300
Hightech
Jobs
Created



a brand by

· AZO ·
Space of Innovation

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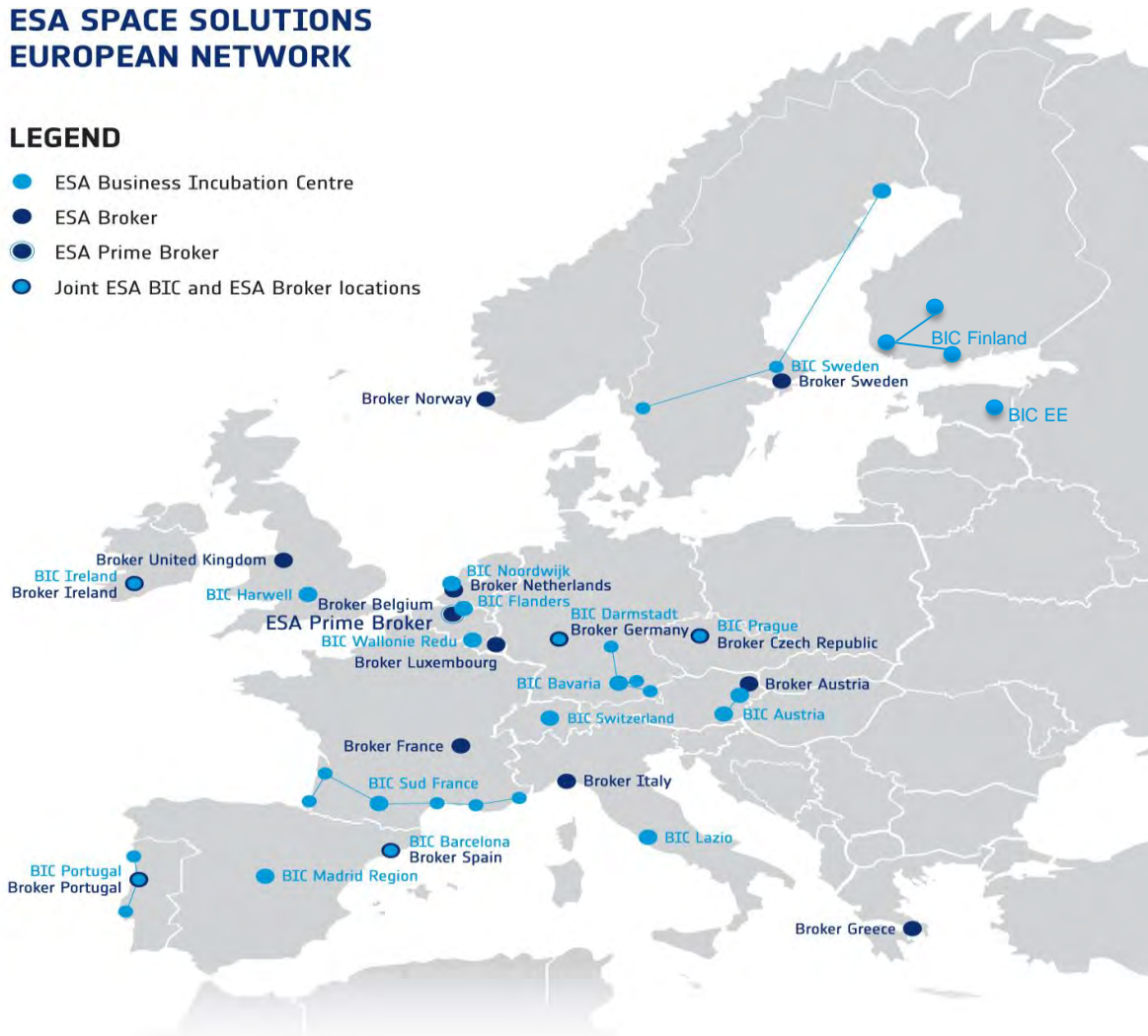
a brand by

AZO
Space of Innovation

ESA SPACE SOLUTIONS EUROPEAN NETWORK

LEGEND

- ESA Business Incubation Centre
- ESA Broker
- ESA Prime Broker
- Joint ESA BIC and ESA Broker locations



Building on
national excellence

“Dad, what is this?”

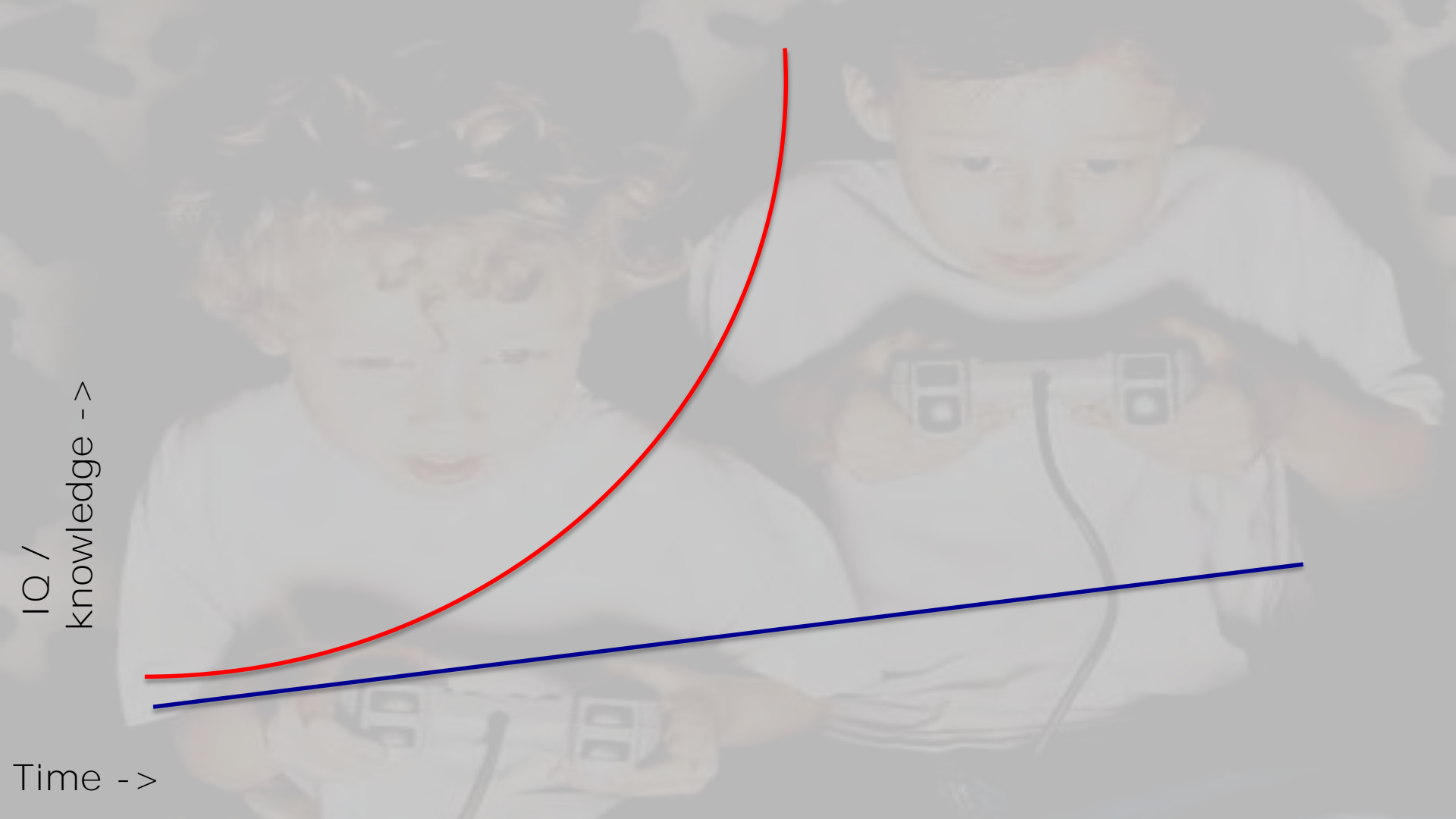
Lucas Salzgeber, 5 years



1

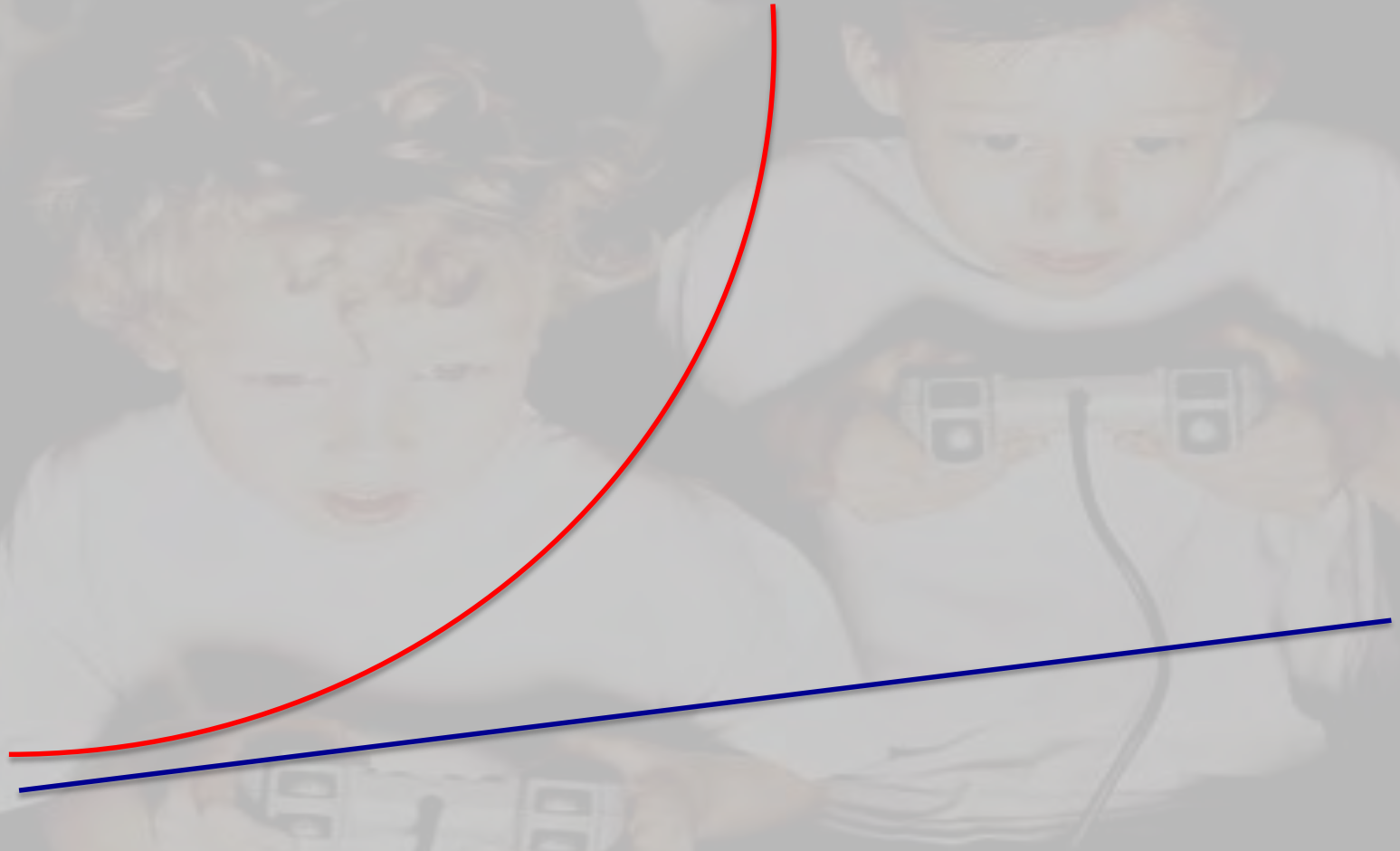
A photograph of two young boys sitting on a patterned rug, focused on playing video games. They are both wearing white t-shirts and holding grey video game controllers. The boy on the right is holding a controller with both hands, while the boy on the left is also holding a controller. The background is dark, and the lighting is focused on the children. A blue banner with white text is overlaid on the left side of the image.

The Zetta Flood



IQ /
knowledge ->

Time ->



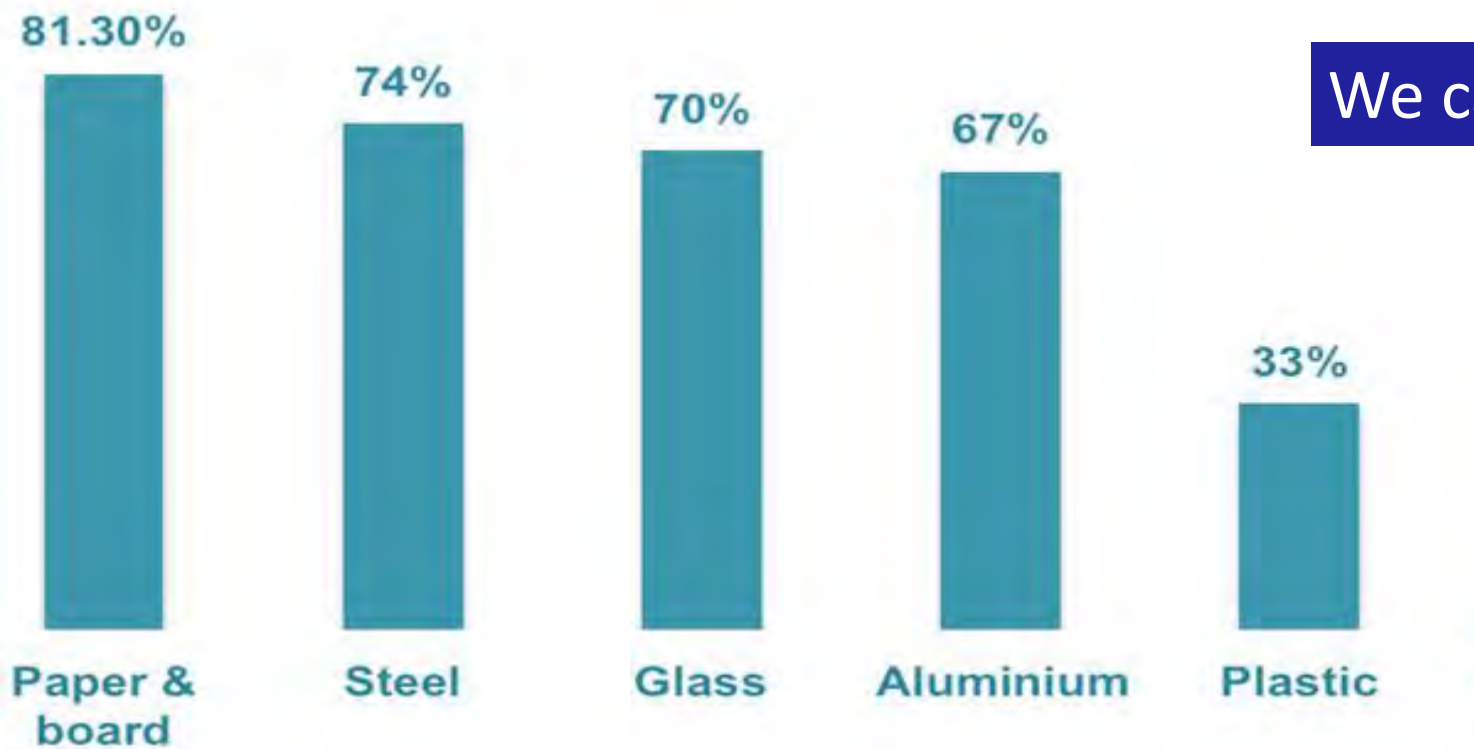


The Zetta Flood

2

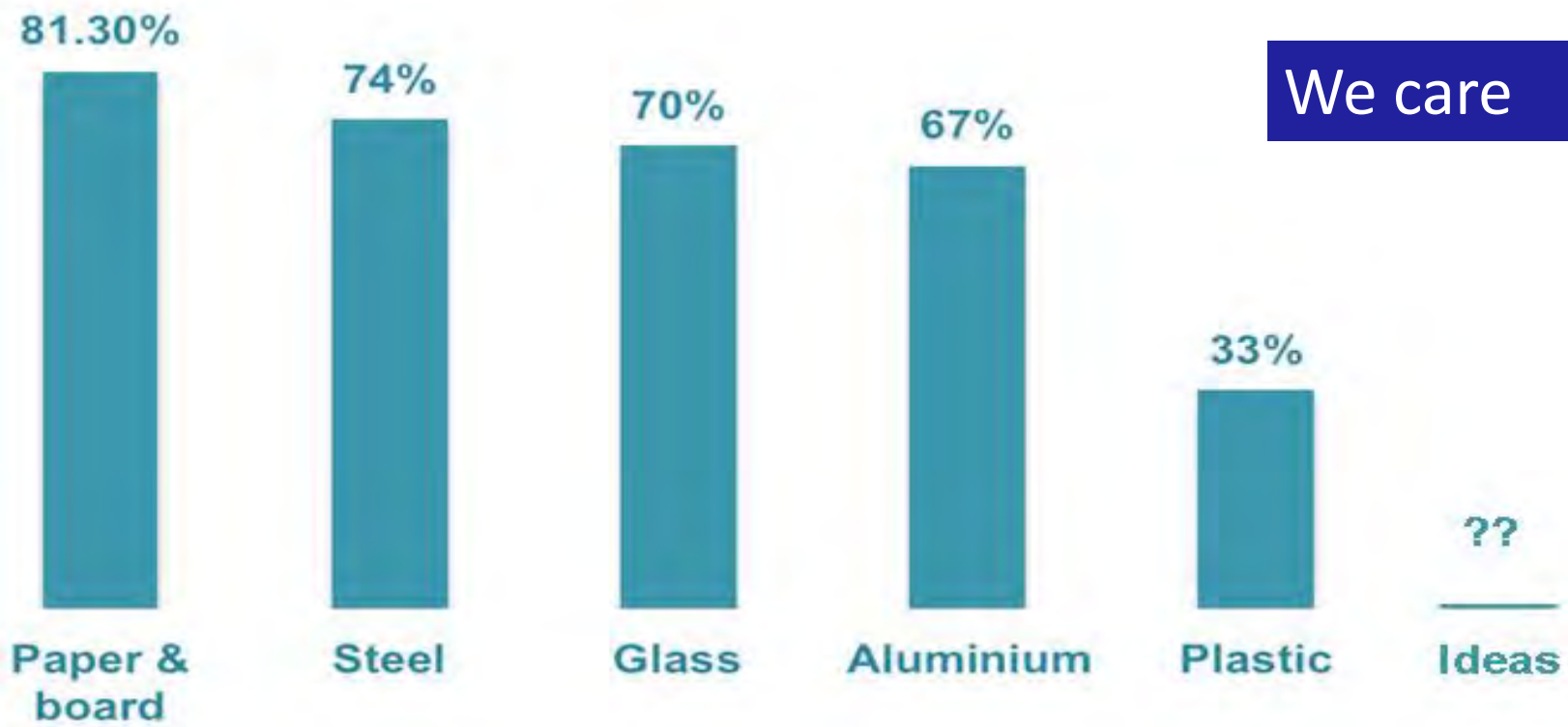


We care



We care

We care





ideas

Now Playing



If I Had Eyes

Jack Johnson
Sleep Through the Static
★★★★★
6 of 14

2:20

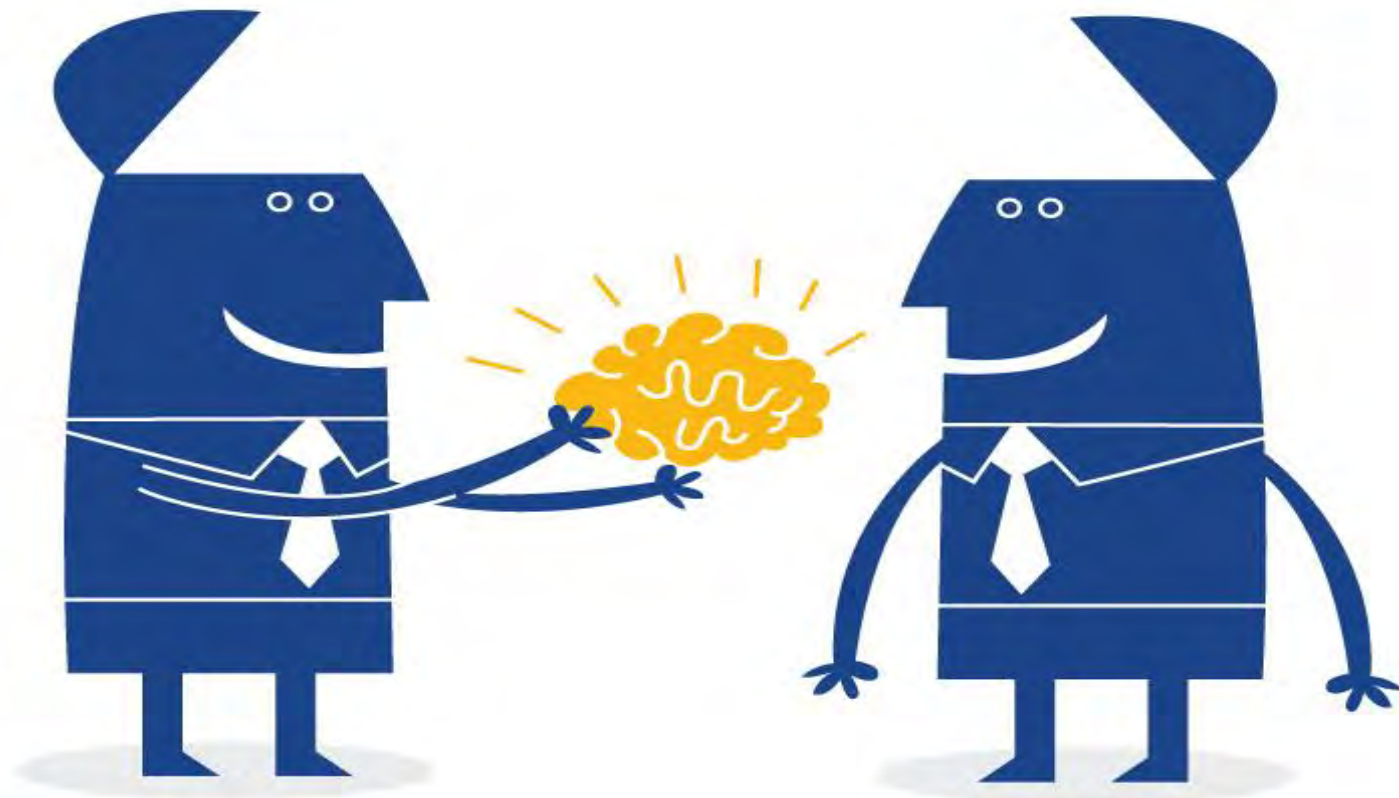


-1:38

MENU



Recycle knowledge



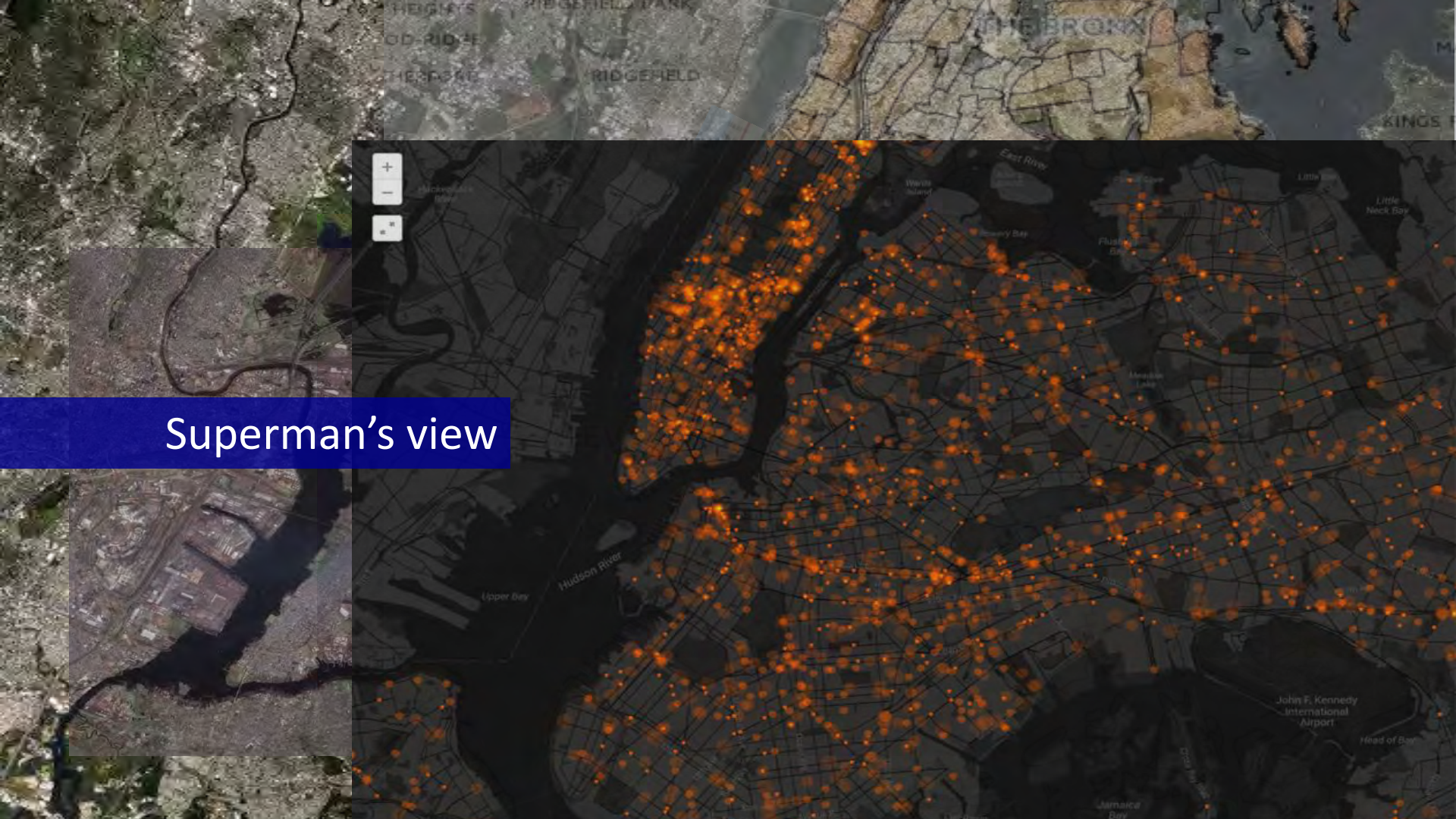
3



Imago Mundi



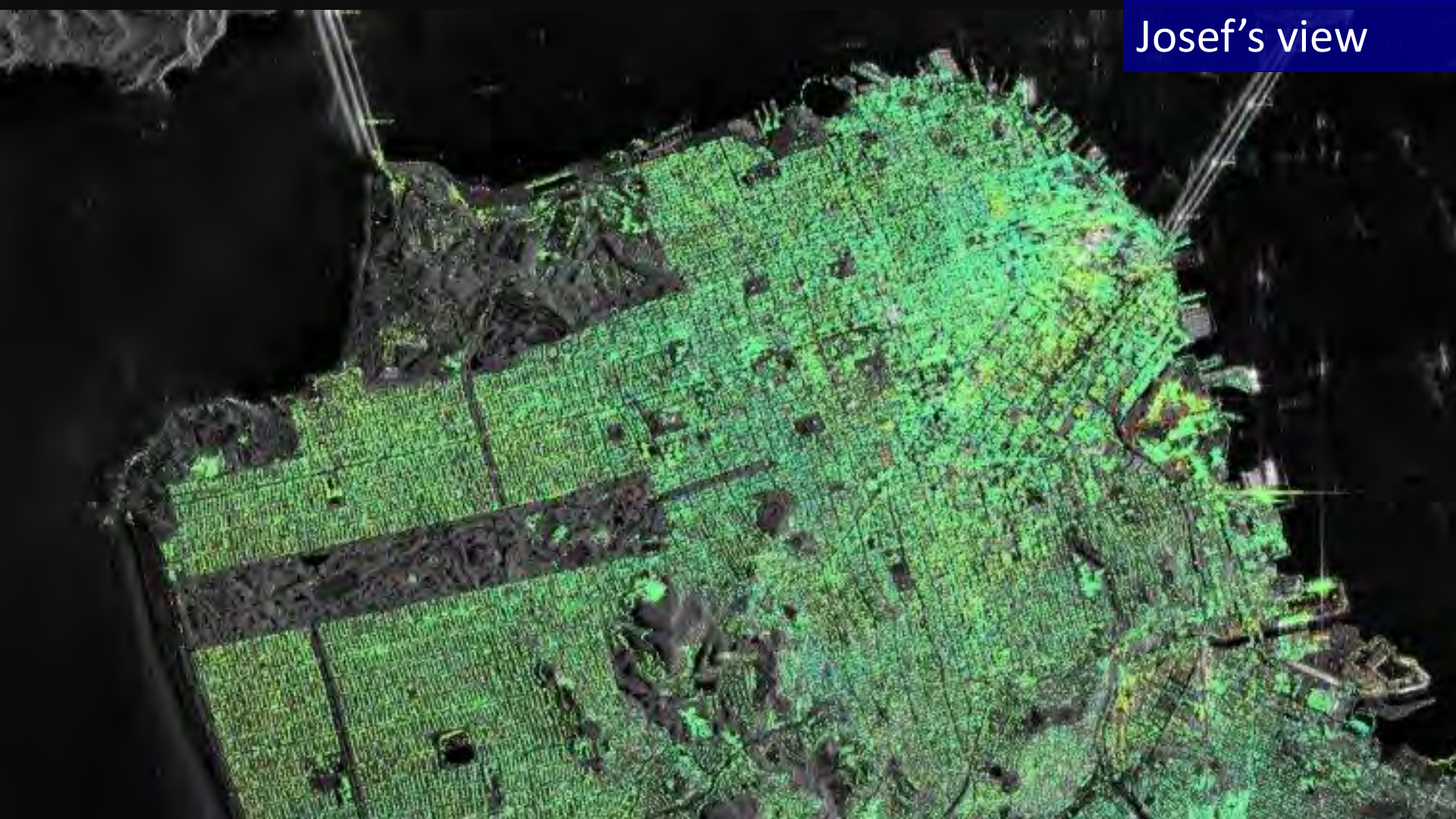
Imago Mundi



Superman's view



Josef's view





Lucas's view

Meet the new Google Maps





Navigation



Navigation



GPS



ABS



Headlights



Windshield Wipers



Video Camera



Brake Pressure



Fog Lights



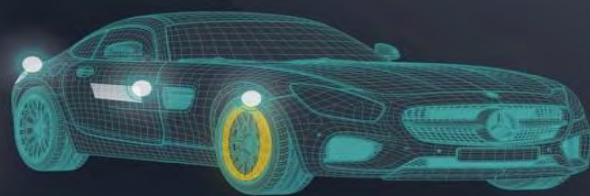
Ultrasonic Parking Sensor



Hazard Lights



Ignition



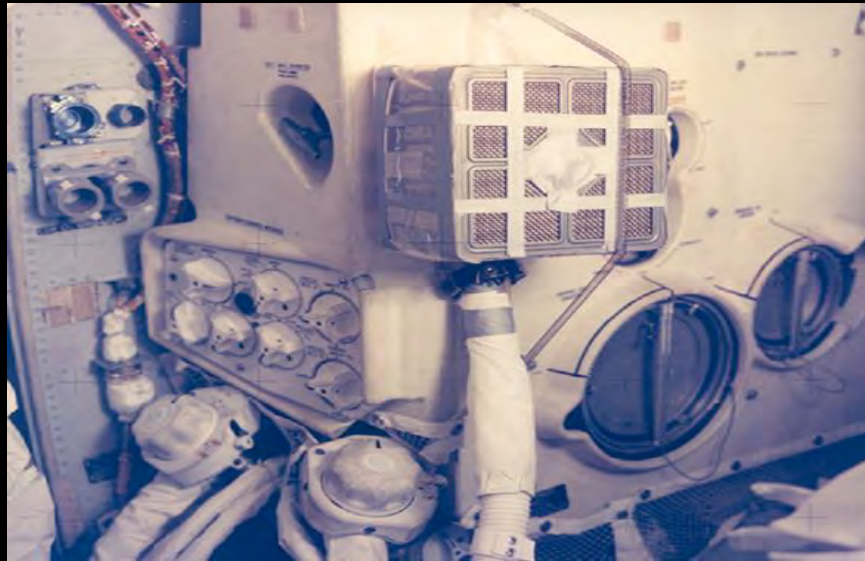


Moving from
1 to 1
to
n to n

4



Advanced manufacturing



Don't buy a cow



United Parcel to Offer On-Demand 3D Printing

 Freight & Shipping |

By Hassan Ali

May 19, 2016 at 1:44 pm EST



Business of today is the
business of tomorrow

UPS joins hands with SAP to offer on-demand 3D manufacturing services

5



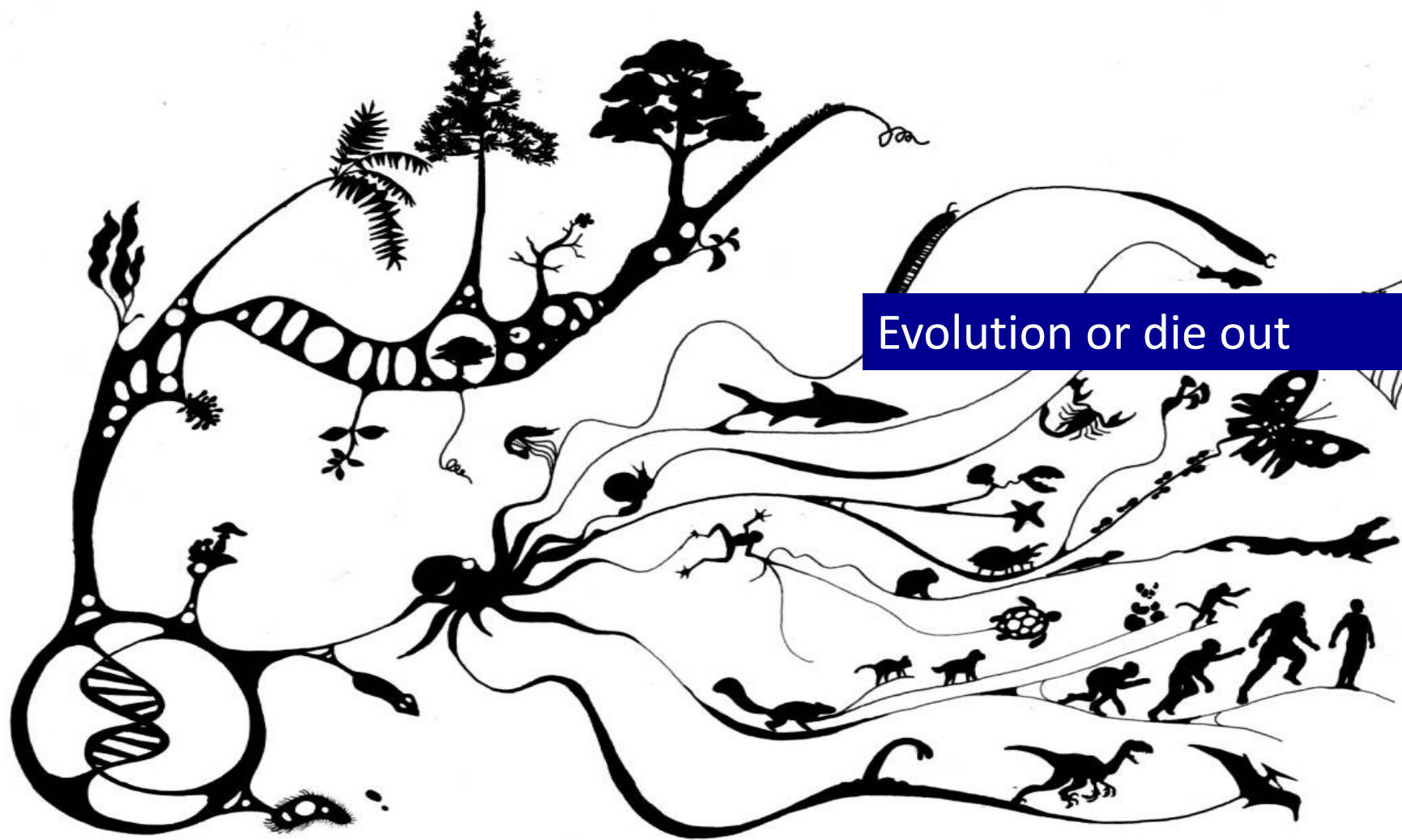
Where do we get the new ideas from?

Our engineers?



Space
and the
Addams Family





Evolution or die out

Education, Thinking, Design

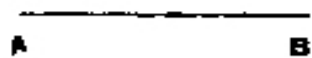


FIGURE 1

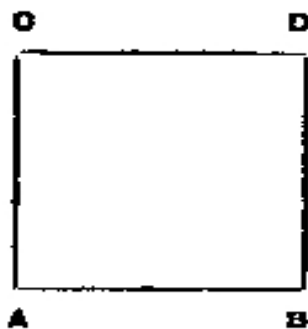


FIGURE 2

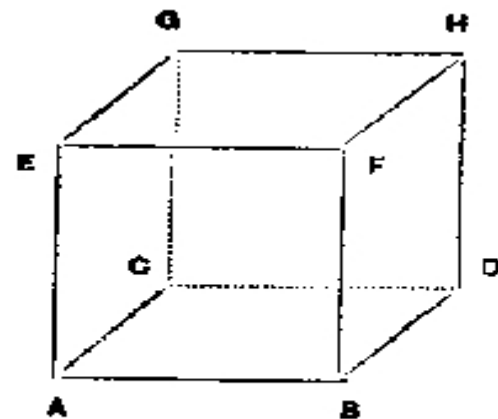
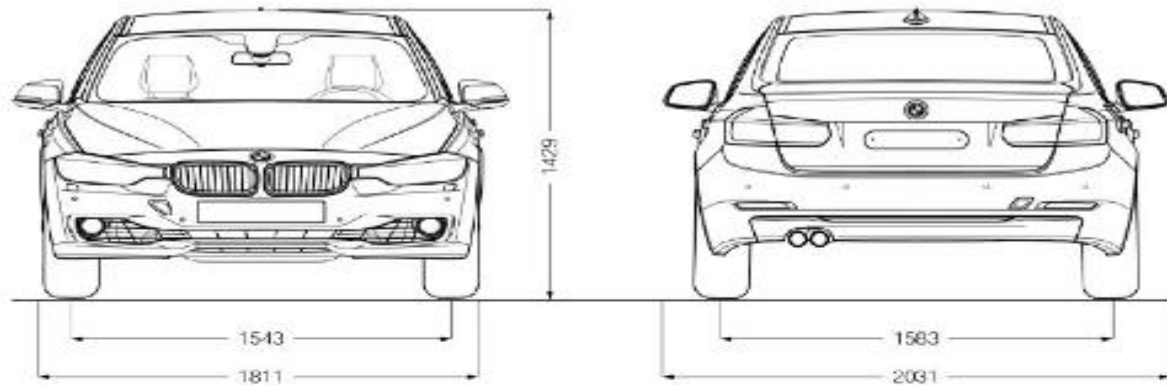
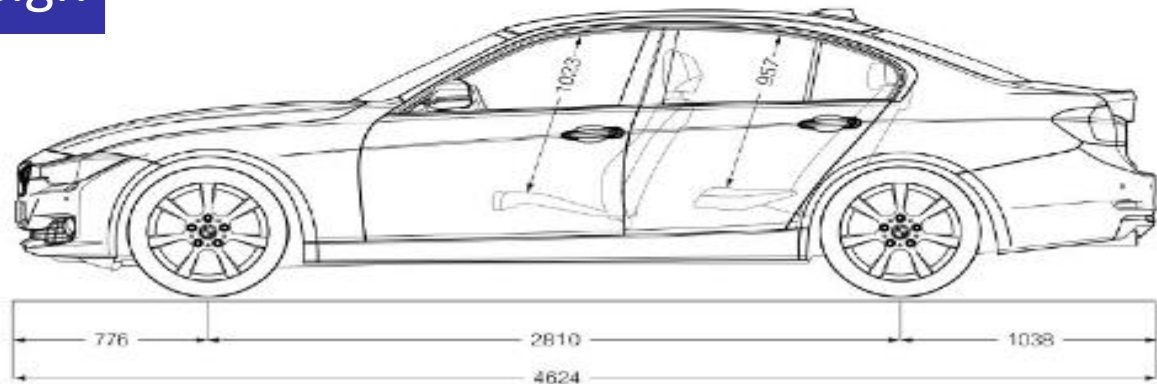


FIGURE 3



Education, Thinking, Design





Education, Thinking, Design



No fear and little respect

Johannes Salzgeber, 5 Years



**UNEMPLOYEE
OF THE YEAR**



The Cambrian explosion
...of start-ups



Gardener of your vineyard

A toddler with light brown hair and blue eyes is sitting inside a black plastic storage bin. The bin is open, and the child is looking towards the camera. To the right of the bin, on a grey fabric sofa, are several tools including a screwdriver and a metal hook. A colorful floral pillow is also on the sofa. The floor is made of light-colored tiles, and a red cloth is partially visible under the bin. A blue banner with white text is overlaid at the bottom of the image.

Stay curious like our kids



The space you need
to get your business
off the ground

Ihr Ansprechpartner zu über 3.500 Referenten



Bitte kommen Sie bei Fragen und Wünschen zu den Referenten und Themen direkt auf uns zu:

Alexander Schungl

Geschäftsführender Gesellschafter
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Gießereistr. 6 · 83022 Rosenheim

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Fax: +49 (0)8031 80 91 33 11
Email: alpine@speakers-excellence.de



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