gravity sketch

Design & Collaborate

A 3D Design and Team Working Platform for Industry 4.0

Gravity Sketch is an intuitive 3D design software for cross-disciplinary teams to create, collaborate, and review in an entirely new way. Express 3D ideas in real-time, at any scale, from initial concepts through to detailed 3D models using an extensive array of digital creative tools.

Ford

"If you wanted to make an interior and an exterior, you're talking months when using traditional tools and workflows, versus approximately 20 hours in Gravity Sketch"

- Michael Smith, Digital Design Manager

Building a Strong Brand

For over two years we've focused on building a tool that can seamlessly integrates into the industrial design workflow. We have done this through partnerships with universities, creative professionals, hardware OEMs, and flagship customers. As a result we have perfectly positioned ourselves to take the lead in the 3D creative space.

Tier 1 Enterprise Customers

Our key accounts are automotive OEMs, using the tools to empower their design teams in addition to streamlining their design pipeline.

Key Industry Partnerships

We have made strategic partnerships with key hardware players in the space as software provider for best in class integration.

32 Educational Institutions

Design Universities globally are using the tool; nine of which are our Excellence Centers where Gravity Sketch is taught in their curriculum.

Cash & Resource Efficient

We leverage our professional creative community of users as a route to market leading to the majority of our B2B leads. We have raised an additional £1.5m of grant funding on top of our £1.25m Seed round.
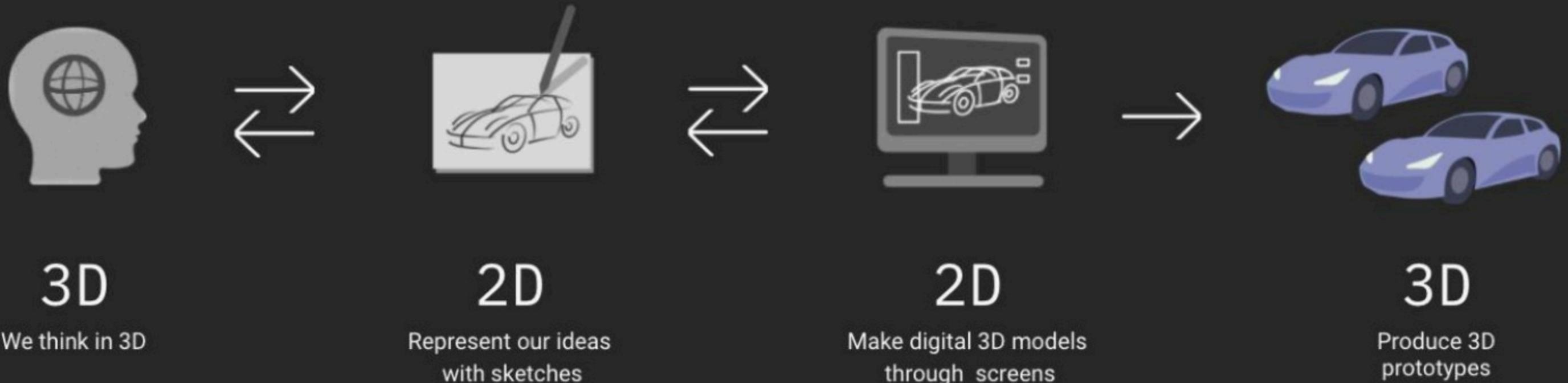
Community of 50,000 Strong

We have cultivated a passionate community of creative professionals who use Gravity Sketch in their workflow, offer valuable insights, and quality control support.
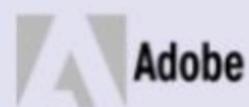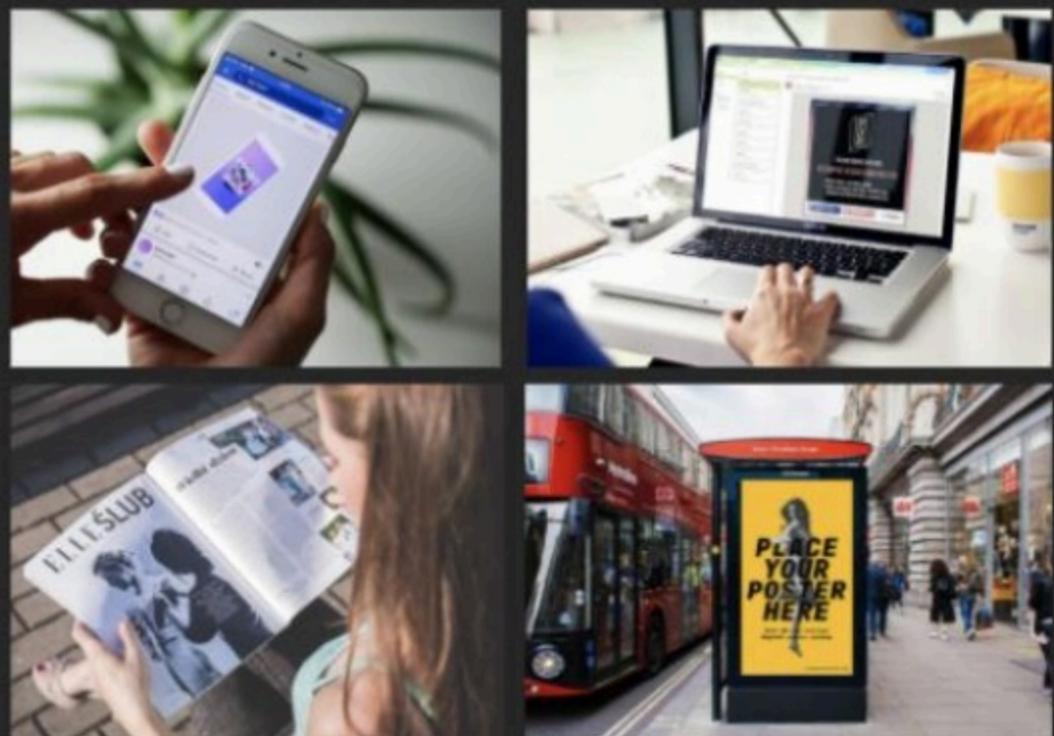
How we want to work

We all think in 3D and would like to bring our thoughts to reality directly through more direct 3D methods.

3D

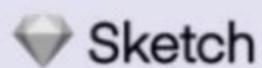We think in 3D

3D

Create a digital 3D
Model at scale

3D

Produce a 3D
prototype

2 weeks

Graphic Design

$24bn TAM

Adobe	CorelDRAW	Old

inVISION	**Sketch**	**Figma**	New
$115m Series F (2018)	$20m Series A (2019)	$40m Series C (2019)	
Spark Capital	Benchmark Capital	Sequoia Capital	

Product Design

$48bn TAM

AUTODESK	DASSAULT SYSTEMES	SIEMENS

gravity sketch
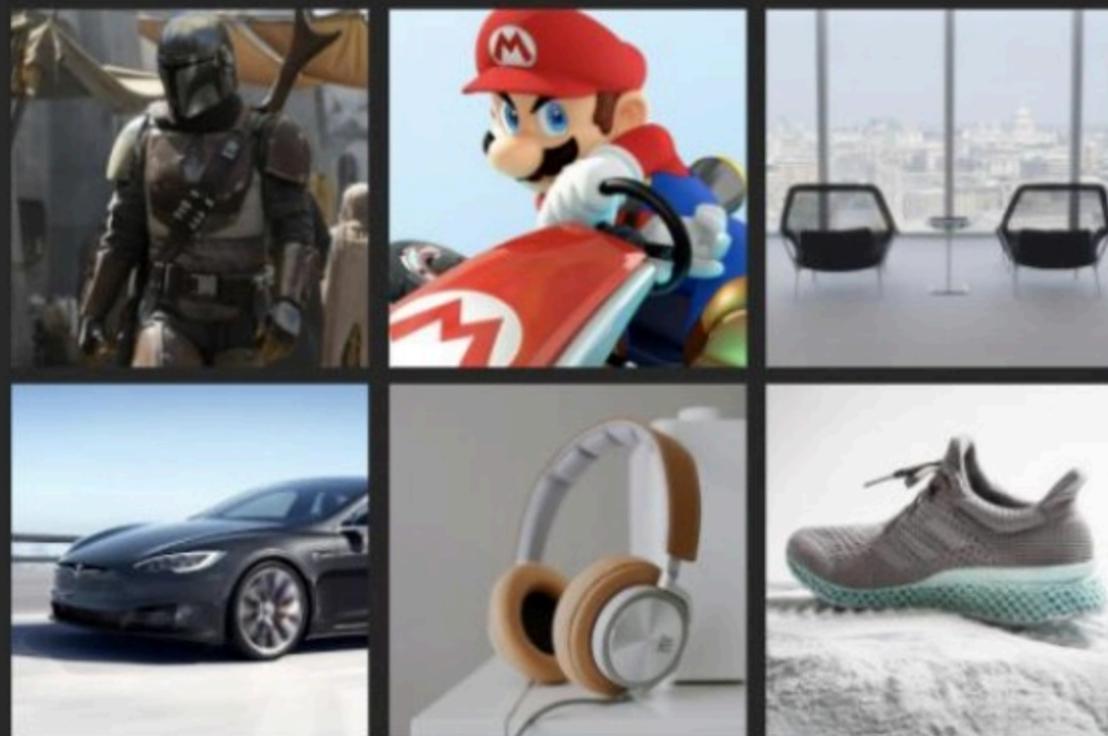
We are the leading innovator in the digital 3D design industry.

$1.7m Seed (2018) Forward Partners

3D FUTURE

A Growing demand for 3D designs

Immersive Technology is Driving Demand

We are playing a key role in Facebook's mission to get 1 Billion people into VR. Over the past two years we have built strong relationships between our customers and the industry's top hardware players in order to deliver an enterprise solution.

Why Gravity Sketch?

We have created the first real time collaborative 3D design tool developed specifically for creative industrial workflows.

Intuitive

The tool was built from the ground up with gestural interaction as the foundation, making it intuitive to users with traditional design skills and offering a familiar feel without the requirement of learning new technical processes.

Collaborative

Users from different teams around the world can work together in the same digital space to create, communicate and share ideas at scale.

Fits into Workflows

Geometry engine built from ground-up based on NURBS and Subdivision (poligonal) mathematics, which enables 3D sketch data to seamlessly import/export with existing CAD software.

Connected

Our cloud and on prem server infrastructure is enterprise grade; keeping work secure and accessible from anywhere anytime.

Real Time

All content created in the tool is generated in real-time with no latency. This also applies to the collaboration functionality.

Cross Platform

Access your work from any device anywhere. Use the tools on several platforms (VR, AR, Mobile, Desktop, Web)

"At work we are always looking for a good way to translate a sketch to 3D. Now the designer can do it themselves in Gravity Sketch and understand how their designs need to work in 3D."

- James Robbins, Digital Design, Honda USA

"Gravity Sketch cuts out 1.5 weeks of back and forth with factories abroad and can be used in the footwear industry with early gestural sketching for 25% of design reviews."

- Brian Rinella, Senior Designer, Reebok
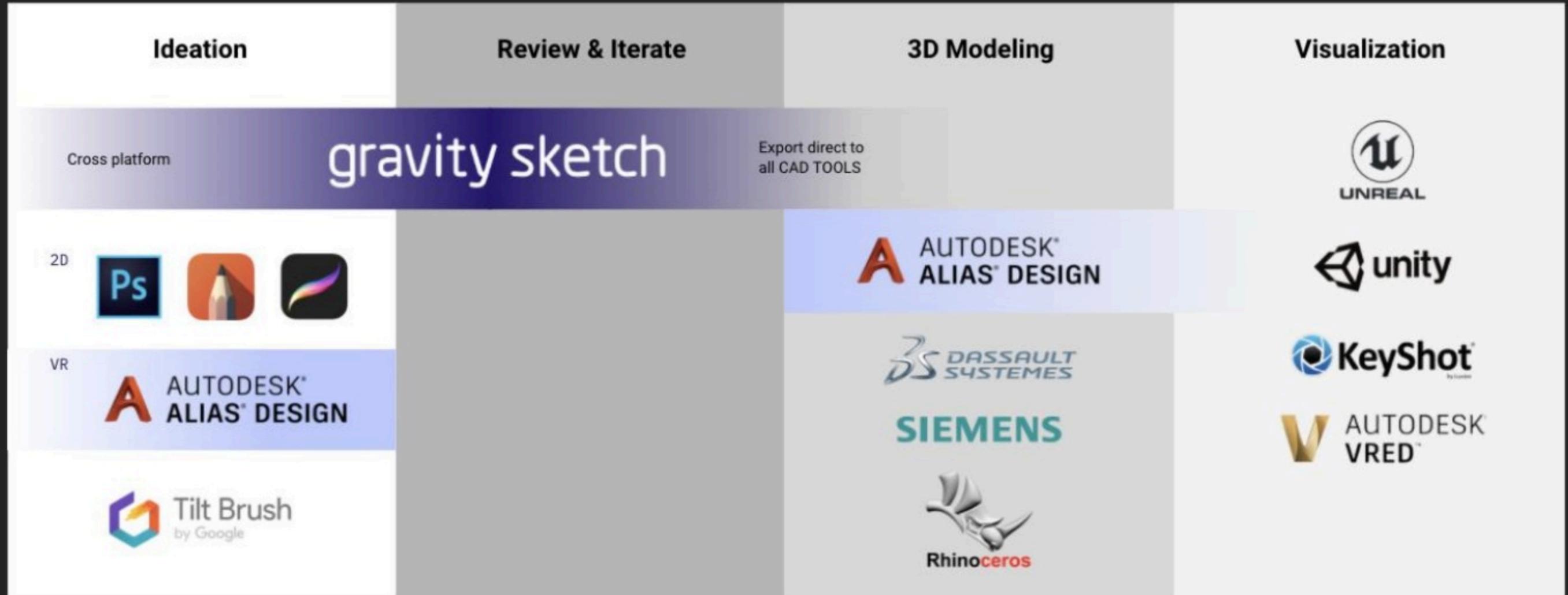

"The ability to start in 3D and stay in 3D has been the most transformative aspect of the workflow provided by Gravity Sketch, allowing me to create a 3D "napkin sketch" straight from my brain."

- Saiful Haque, Art Director, Avatar Sequels

Will make introductions upon request: Michael Smith (Ford), Brian Rinella (Reebok), Saiful Haque (Avatar), James Robbins (Honda):

Product design pipeline

Gravity Sketch allows designers to collaborate and seamlessly transfer data into later phases of the design process.

Ideation	Review & Iterate	3D Modeling	Visualization
Cross platform	gravity sketch	Export direct to all CAD TOOLS	UNREAL
2D — Ps		AUTODESK ALIAS DESIGN	unity
VR — AUTODESK ALIAS DESIGN		DASSAULT SYSTEMES	KeyShot
		SIEMENS	AUTODESK VRED
Tilt Brush by Google		Rhinoceros	
Explore Initial ideas	Collaborate & review ideas at scale	3D model final design direction	Realistically render 3D model

Gravity Sketch fills a phase of the design pipeline which is typically occupied by physical scale models.

Design & Review Together

Create and Collaborate in Real-Time

We aim to remove friction from design teams' workflows, making the process of creation faster and more cost effective.

Our Co-Creation feature allows two or more designers to meet up in the same virtual studio, and collaborate on designs in real-time through AR/VR, mobile, and the Web browser.

2018-19	2020-21	2022+
Transportation (auto)	**Transportation** (general – incl. aerospace) **Consumer Products** Entertainment	**Transportation** (general – incl. aerospace) **Consumer Products** **Entertainment** **Engineering** Architecture Apparel ...
$0.2bn TAM	$7bn TAM	$10bn TAM
NISSAN Ford	adidas UBISOFT LIGHTSTORM BOSCH	Apple H&M Zaha Hadid

Education   **ArtCenter**   **Royal College of Art** Postgraduate Art and Design   **CCS**

Go to market

Industry Standard Design Tool

We first focused on one industry to find the best fit and to address the key pain points in the product design and development pipeline, from which we will scale to other verticals.

We support the top design universities globally, seeding the professional designers of the future.

SERVICE & SECURITY

PRO	**STUDIO**	**ENTERPRISE**
Professional independent freelance creatives and small studios working on independent or commissioned projects.	Medium sized enterprises and companies with in house design teams.	Larger multinational organizations.
Real Time Collaboration 6 Co-Creation rooms	Real Time Collaboration 20 Co-Creation rooms	Real Time Collaboration 40 Co-Creation rooms
Storage 100GB Global Collaboration	Storage 250GB Global Collaboration Enterprise Security Management Portal	Storage 250GB Global Collaboration Enterprise Security Management Portal
Remote Support Chat/email	Remote Support Realtime time chat/email	Remote Support Realtime time chat/email Phone
		Onsite Training

Cloud Subscription

Remote Deployment and Support

Users access the application via the internet with Gravity Sketch's Virtual Private Cloud (VPC) hosted by Amazon Web Services (AWS). All data communicated through the Gravity Sketch application and Landing Pad are encrypted with SSL. The subnets hosted on this part of the VPC are public, and hosts services such as Elastic Load Balancing (ELB), firewall, and SSL termination (for SSL decryption).

The vision

We are building a suite of software products which address the full 3D design workflow and are seamlessly connected to each other through a cloud based platform.

Gravity Sketch

Collaboratively create 3D sketches containing engineering-ready data in an intuitive way with teams around the world

Presentation

Present work with textures, annotations, transitions, and simulations; import media and data sets for 3D communication.

Landing Pad

Cloud Platform

Curate & Capture

Direct a guided experience that can be taken to other design tools or exported to be used for industry applications.

Publish Experiences

Bring your work to life as a stand alone executable experience. Send this experience to your team via web or interactive app.