# Reality Check Systems for Vision Sharing and Project Management

Use our cloud infrastructure and user interface to cost effectively deliver your research, data, designs and 3D visualisations in the desktop and fully immersive Virtual Reality environment anywhere in the world.

Why Use Reality Check?

Your partners and high level stakeholders are looking for faster, more convenient and more cost effective ways to access and digest the information your business provides them. The immersive site tour platform we have created provides you with the tools to quickly and efficiently leverage the impressive power of Virtual Reality.
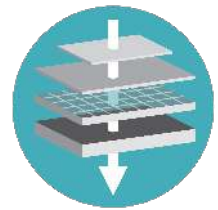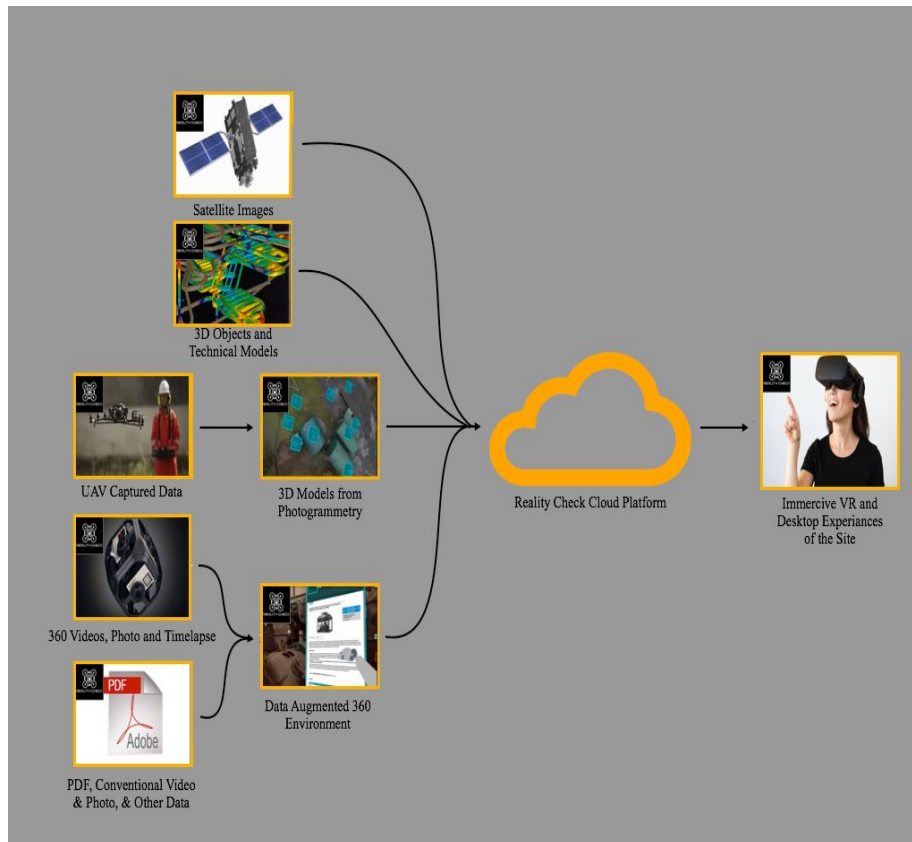
What Can I Do With The Service?

Deliver a whole new level of understanding of how a site is today and what it will look like in the future by leveraging the impressive power of Virtual Reality. Combine 360° Photos and Videos with your GIS and other 3D models and designs, satellite images and traditional 2D media such as pdf's, photographs and conventional video.

NB. You do not have to utilise all the features of the platform to deliver a complete visualisation. A visualisation may consist of just 3D models or just 360 media, or just satellite, and/or any combination of the supported media listed. You can also add and update media on an ongoing basis.

Add interactive and non-interactive infographics, location labels, arrows and lines to indicate features of site designs.

Brand your work with your company logo and profile.

Retain control of who has access to your media through our platform encryption and administrative tools.

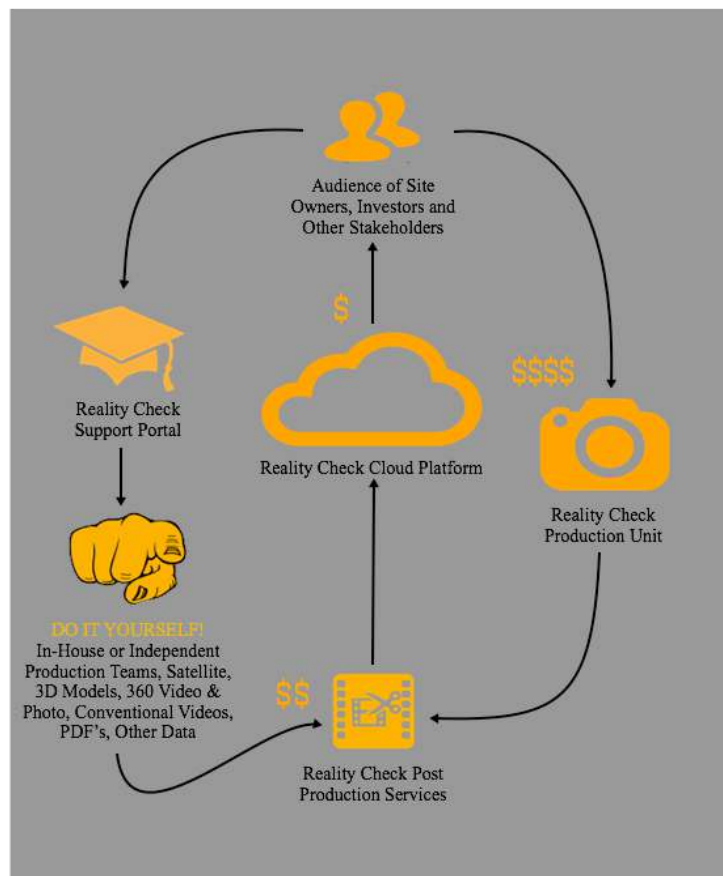Easily keep your site tour up to date with the information you need.

Who Captures the 360° video and photos?

You can use your own personnel to capture the required 360° media from ground and UAV (drone) platforms. RCS will provide remote assistance and hardware advice as required.

RCS can also provide turn-key solutions if needed.

Who Creates the 3D Models?

You can send us your existing 3D models from your existing software packages such as Deswik, Vulcan, Leapfrog, Arc GIS, SmartPlant and more.

RCS can also assist in 3D modelling from UAV photogrammetry via remote data processing of your drone images, or as a full turn-key piloting, data collection and processing service.

Who Is Using Reality Check?

As of July 2018, both asset owners and third party consultants are choosing to innovate using Reality Check. Mining companies such as Anglo American, Barrick Gold and Resolute Mining (as well as much smaller companies) are showcasing multiple assets on the platform for use at investor days, board meetings and orientations.

Consultants such as Knight Piésold are using the platform to show their mine reclamation studies and design work, and other third party service providers are preparing to pipe real time site analytics data onto our platform.

Reality Check is proud to be partnered with the London Stock Exchange Marketplace since 2018.

Testimonials

"It has been amazing working with you and your team!!! I am so excited about doing the other sites!"
Michelle Ash, Chief Innovation Officer Barrick Gold & Chairman GMG

"Reality Check executed very well for us"
Peter Sinclair, Chief Sustainability Officer, Barrick Gold

"This is the only way to show off mine sites going forward"
Simon Purkiss, Managing Director at Consolidated Nickel Mines Ltd
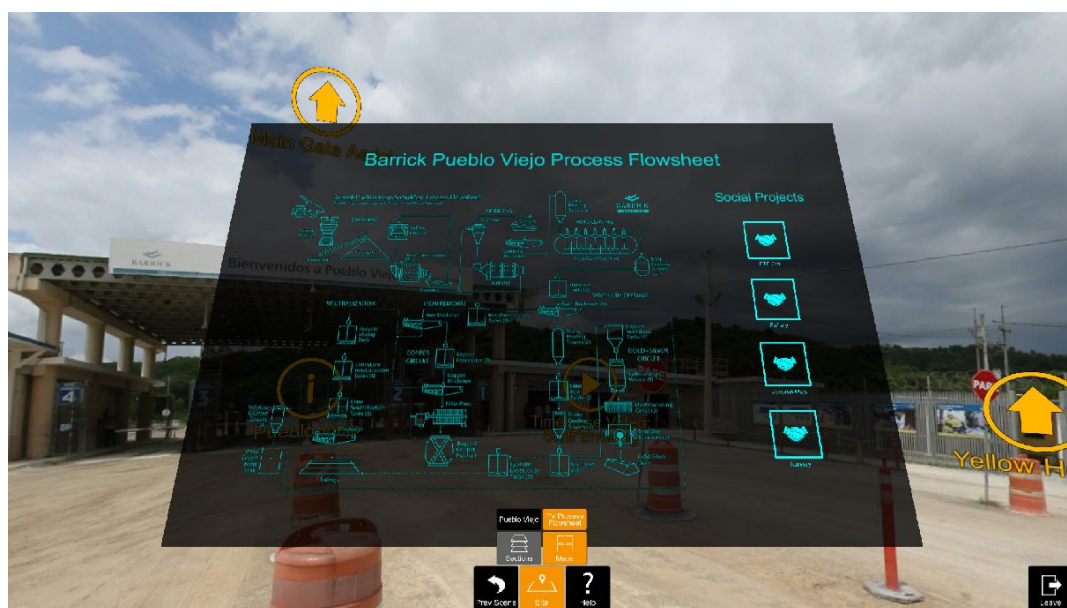
Visualisations

Fig.1: Interactive process flowsheet navigation tool

Fig. 2: 3D model of mine yard and underground workings orientation & navigation tool

Fig. 3: 3D Model of mine yard overlain on satellite tile of wider region

Fig. 4: Interactive 3D satellite map in VR
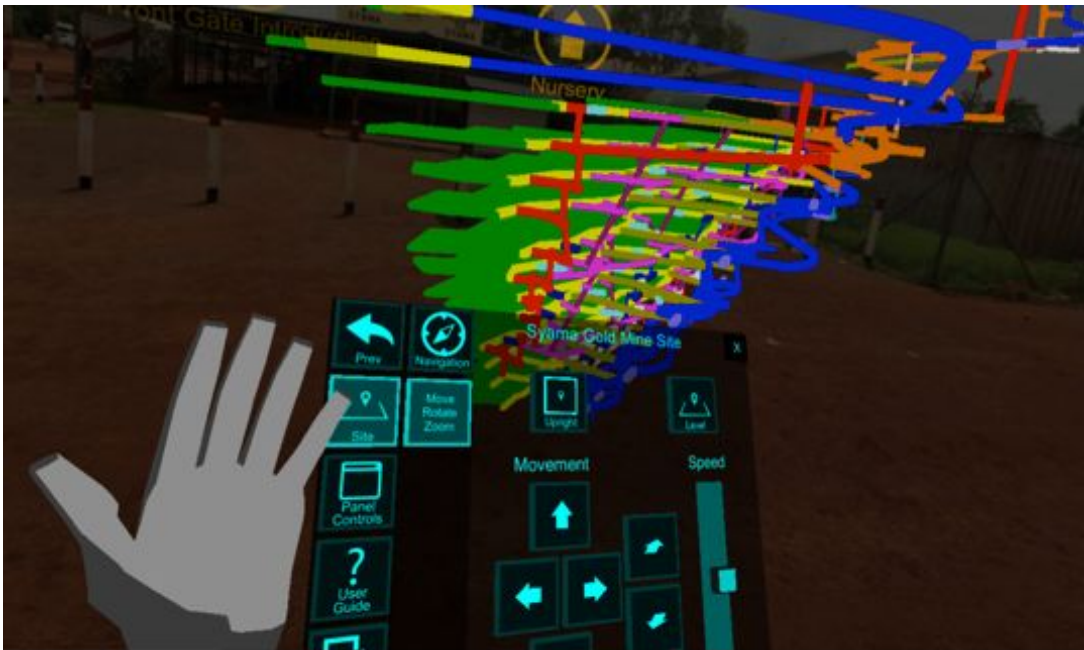
Fig. 5: Underground workings inspection in VR mode

Fig. 6: Teleporting to an underground 360° video or photo location.

Fig. 7: Interactive data menus with click-through data

FAQ's

Can I decide who can see my virtual site visit?
Yes. You retain admin privileges over your tour. This allows you to set your tour as "Public" or "Private" and manage who can access them.

Can I produce the Photos & Videos and anything else I want in there myself or do I need to use an RCS production crew?
We are more than happy to work on a post production only basis if you prefer to use your own resources to collect the required 36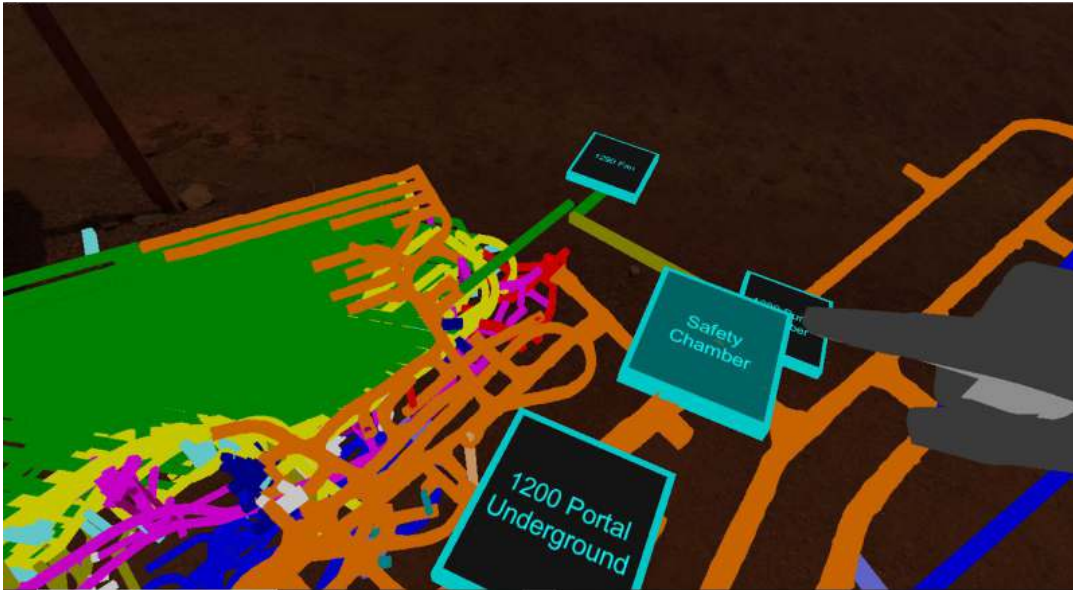0° videos, photos and any other media. We'll even provide you with best practice and hardware advice if you choose this approach.

How much does it cost to get a VR site tour up and running?
We operate the RCS platform on a low cost monthly subscription basis. We support new and existing clients with turn-key production solutions as well as post production only work. Cost of turn-key production services will vary according to time required at site and features required. Get in touch with a brief summary of your needs for a same day estimate.

How long does it take to get a new project done?
From receipt by RCS of all media, normal turnaround time for post-production jobs is 2-4 weeks. For turn-key production services, time required on site is subject to the size of the site and services required. As a benchmark, the Dolaucothi demo tour required 1 day for 360° media capture and 2 days for the photogrammetry (which was conducted simultaneously).

Can I update my virtual site visit with new content?
Yes, as part of the benefit of using our services, we allow you to send us additional or replacement media to keep your tour up to date at no additional cost with rapid turn-around*
*Subject to our fair usage policy

Can I live feed 360 video over the platform?
It is technically possible to live broadcast 360° video over the web. Given the bandwidth constraints at most of our clients remote locations however, to date it has not been considered viable. It would also require some hardware installation at site. If this is desired, please get in touch to discuss your needs.

Can I live feed data and other media into my tours?
Yes, it is possible to live-feed your data into your tours. Please get in touch to discuss your needs

We already fly drones at site. Can I use what we have to create a 3D site model?
Yes, you can! We are happy to help your existing UAV pilot plot a suitable flight plan to harvest the data needed, which can then be either processed by you or sent to us for processing into a 3D model.

Drone photogrammetry can be expensive - do I need to use it?
You do not need to use UAV photogrammetry in your tours. If satellite imagery from

services such as google earth are of a sufficiently high resolution then this might be a more viable alternative. We can also use CAD files and other 3D models if you have them. We can also turn your site diagrams (such as process flow sheets) into clickable navigation aids.

Can I publish a basic tour on the platform and build it up iteratively with additional features, information and models as the project evolves?
Yes, it is fine to take this approach.

Do I need special hardware to view the tours?
Desktop/Laptop versions of the tours can be viewed on PC's running Windows 10. To view in full VR, a VR Ready PC can be used in conjunction with an Oculus Rift headset + LEAP controller (available to buy from Amazon and all good electronics stores). In addition we are releasing the product onto the Oculus Quest headset that does not require connection to a PC to deliver VR content (currently in late stage beta testing). A "lite" version of your tour will also run on iOS and Android tablets and mobiles via browser.

Does it cost my audience anything to view my tours?
Tours are free to view.

Can I link my tour to my website?
Yes, you can. This is done via your company page on our web application.

Can I see an example tour?
Yes, visit our website to see the Dolaucothi example tour and any other publically available VR site visits from our clients. You can also access our clients Company Pages.

Other Resources

https://realitychecksystems.co/

https://www.linkedin.com/company/reality-check-systems-vr/

https://www.lsegissuerservices.com/marketplace/realitycheck/about