

Powerful design conformance solution

Excavate > Capture > Compare

Perfectdig workflow improves productivity

Maptek™ PerfectDig™ is a fast, easy and accurate solution to help operations avoid cost overruns arising from non-conformance.

Maptek™ PerfectDig™ is intuitive software for evaluating and supporting design conformance.

PerfectDig takes 3D data and compares it with a design surface to generate scenes that easily convey areas of non-compliance. These are referred to as underdig or overdig. Simple, streamlined reporting workflow saves time, with operational savings arising from using the results efficiently.

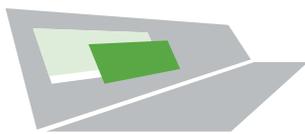
Two PerfectDig applications allow sites to work with conformance data in different ways.

PerfectDig Field compares a design surface to data from a Maptek laser scanner to instantly identify areas of non-conformance in the field. The ruggedised tablet has an easy to use interface to immediately compare mine to design and generate conformance reports.

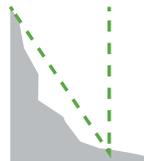
PerfectDig Office allows users to import data from a Maptek laser scanner and compare this with mine designs on an office PC. Users can easily generate scenes with blocklines; use the protractor overlay on cross-sections to determine average batter angles; check depth to surfaces; display coordinates or distances from scan. Information can be published online and applied to conformance reports.

Maptek PerfectDig

- Compare excavation against designs in real time
- Report extent of underdig or overdig
- Optimise excavation progress and mineral recovery
- Calculate material volumes
- Improve site safety
- Increase overall productivity



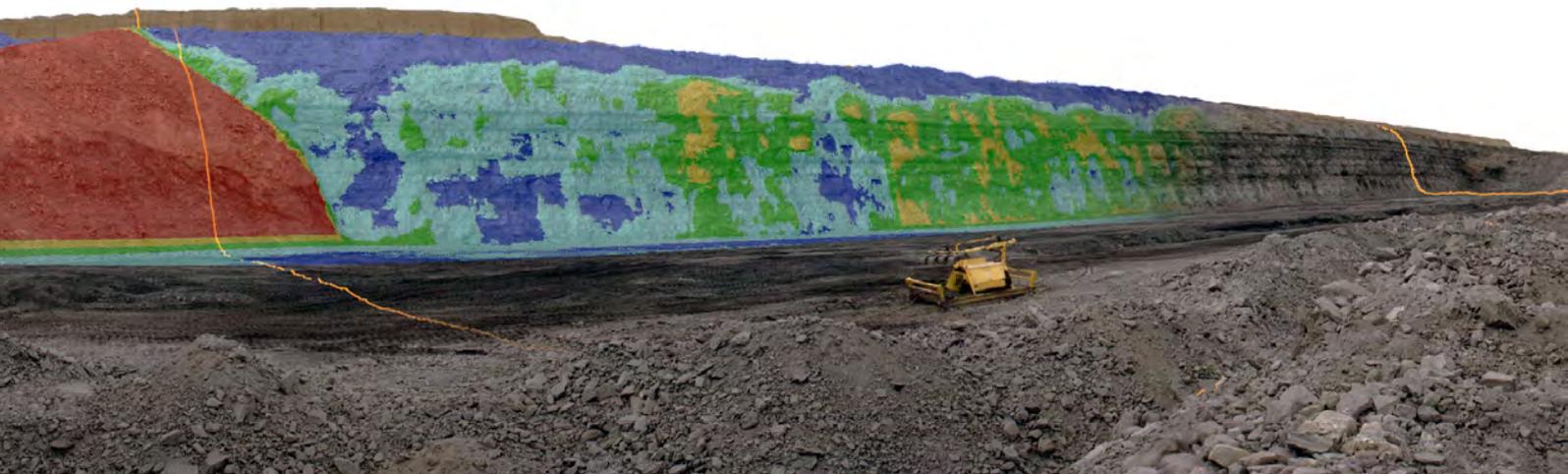
Automatic scene processing.
Generate high quality
conformance layer imagery.

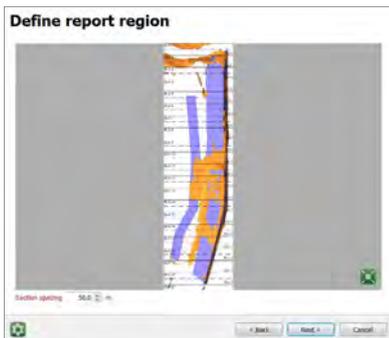
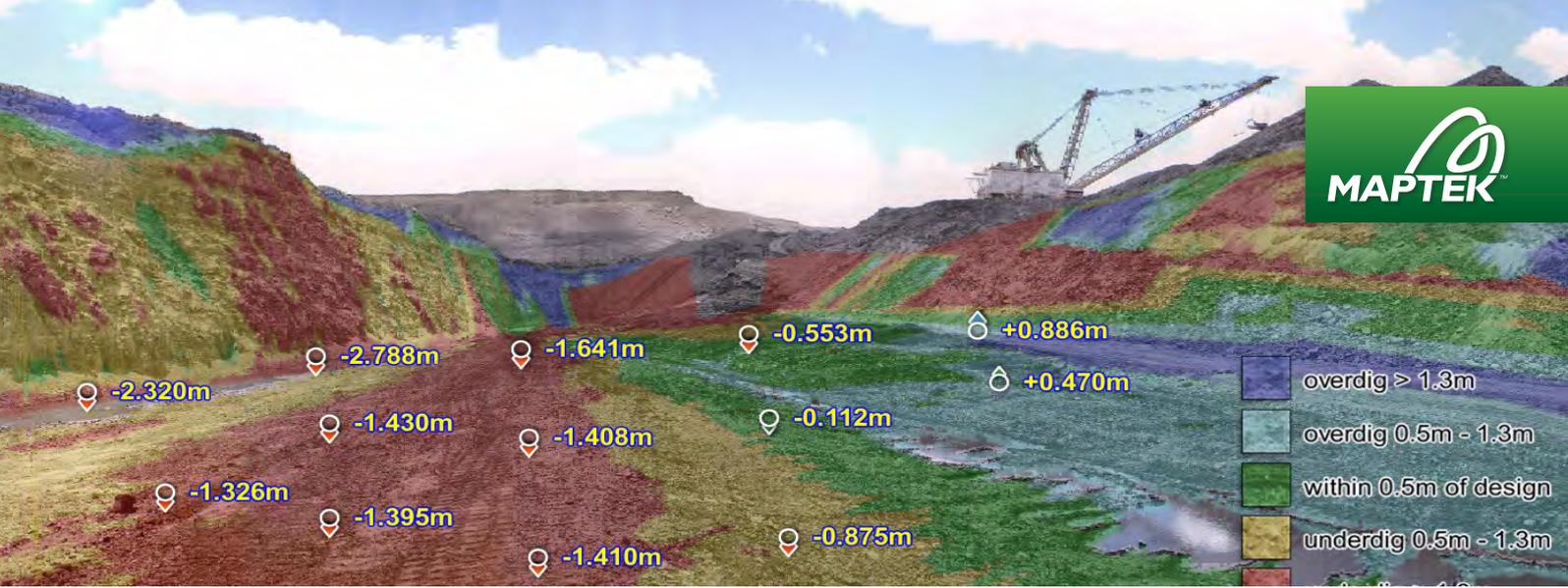


Query cross-sections,
distance to design and
two-point distances.



Create conformance
reports. Share via PerfectDig
Online with one click.

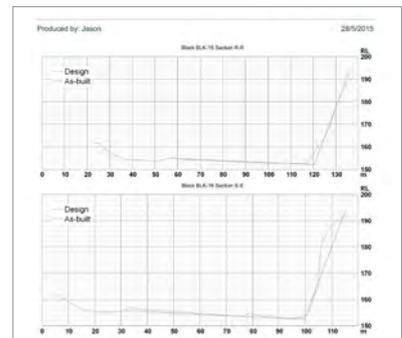




Produced by: Jason 28/5/2015

Block	Underdig volume	Overdig volume	Wall underdig (% area)	Wall overdig (% area)	Bench underdig (% area)	Bench overdig (% area)
1 BLK-1	4.491m ³	0m ³	84%	0%	100%	0%
2 BLK-2	14.842m ³	1.233m ³	45%	15%	100%	0%
3 BLK-3	1.463m ³	12m ³	85%	0%	100%	0%
4 BLK-4	1.758m ³	22m ³	85%	0%	100%	0%
5 BLK-5	1.572m ³	210m ³	1%	8%	100%	0%
6 BLK-6	1.958m ³	772m ³	14%	52%	100%	0%
7 BLK-7	3.883m ³	306m ³	38%	14%	100%	0%
8 BLK-8	3.637m ³	2.337m ³	35%	54%	100%	0%
9 BLK-9	15.543m ³	734m ³	31%	23%	100%	0%
10 BLK-10	88.539m ³	473m ³	27%	17%	100%	0%
11 BLK-11	17.818m ³	1.112m ³	13%	2%	73%	3%
12 BLK-12	7.369m ³	869m ³	7%	20%	88%	2%
13 BLK-13	8.757m ³	1.646m ³	1%	3%	55%	1%
14 BLK-14	1.872m ³	1.509m ³	20%	2%	12%	0%
15 BLK-15	873m ³	1.892m ³	83%	33%	8%	1%
16 BLK-16	3.146m ³	802m ³	43%	22%	34%	0%
17 BLK-17	3.267m ³	867m ³	0%	12%	20%	5%
18 BLK-18	1.278m ³	452m ³	43%	23%	14%	4%
19 BLK-19	1.706m ³	287m ³	95%	15%	78%	1%
20 BLK-20	1.203m ³	259m ³	44%	22%	74%	0%
21 BLK-21	0m ³	0m ³				
22 BLK-22	0m ³	0m ³				
23 BLK-23	0m ³	0m ³				

Percentage greater than or equal to 20% highlighted in red



Conformance Reporting

PerfectDig conformance reporting is available in both PerfectDig Field and Office. The intuitive wizard interface generates automated conformance reports in minutes. Conformance reporting is also available as a Maptek™ I-Site™ Studio module.

INPUT

Import Maptek laser scan data, or surfaces generated in Maptek software, with one click.

Point clouds collected by other methods (UAV, LIDAR, other laser scan data) can be used to generate surfaces in Maptek software for importing into PerfectDig.

OUTPUT

Simply specify the data and region of interest to generate a report.

Define blocklines, polygon regions or arbitrary section spacing to further highlight areas of non-conformance.

One click to upload reports to PerfectDig Online. Reports are easily shared via the PerfectDig Online platform. Anyone with an internet connection can view the conformance report and participate in the decision making process.

PerfectDig Online

PerfectDig Online makes it extremely easy to share information online.

Online scenes can be customised to suit your needs. Adjust the layers and transparency. Interrogate data using the Query function to review single and two-point cross-sections.

A snapshot link captures the exact scene (including layers and queries) for sharing with others. Information is available on any internet enabled device, including smart phones, tablets and PCs.

PerfectDig Online is hosted by secure, encrypted Maptek servers to maintain confidentiality of your information, allowing it to serve as a platform for independent queries.

PerfectDig Field



Scan the area of interest with a Maptek laser scanner and import the correlating design surface.

PerfectDig Office



Import Maptek laser scan data or Maptek-generated surfaces and visualise scenes.

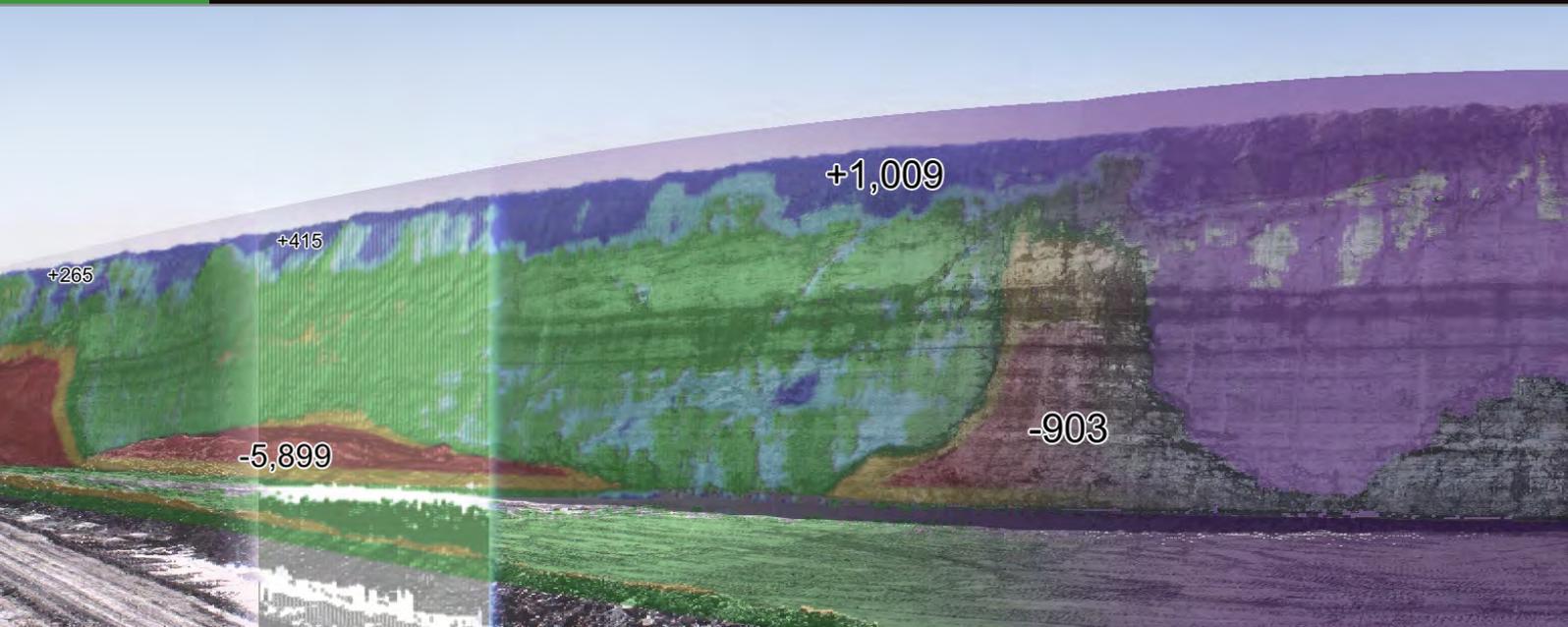
OR





Features

- > Excavation conformance to designs in near real time
- > Automated tools for streamlined workflow
- > Customisable and easy to use interface
- > Results displayed on handheld devices and over networks



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