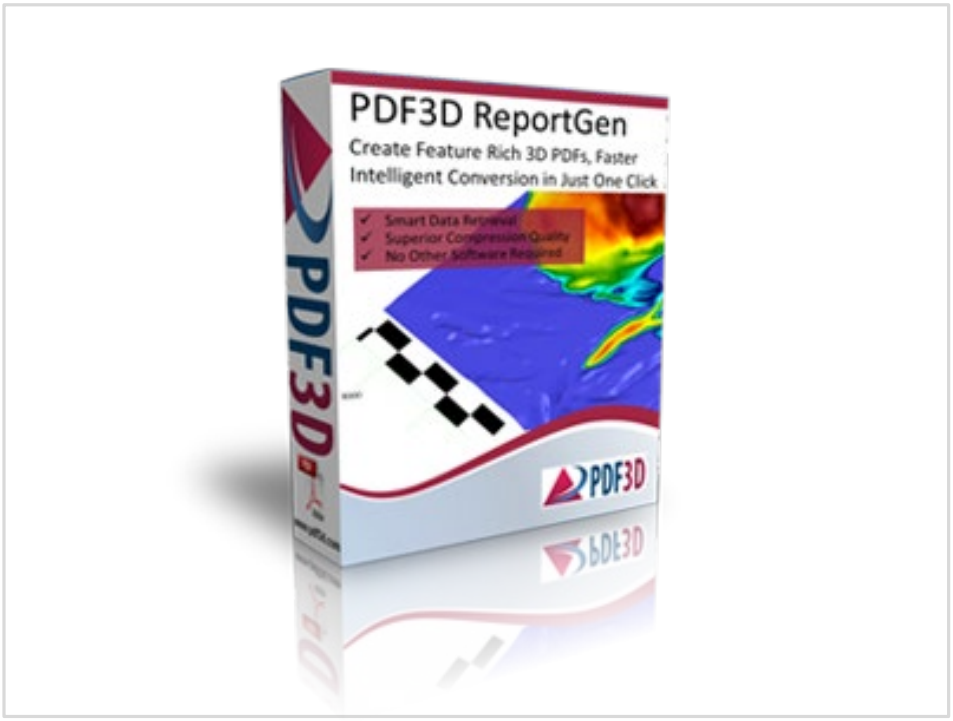
Max. 5 nos. of slides, excluding this cover with full narration

Product Presentation

Applicant Name: 3D PDF System Limited
Product Name: PDF3D ReportGen
Specification: PRC



- Core Functions:
  3D PDF
- Technology Used:
  PRC High Compression Technology
- Construction Process involved:
  None
- Key Improvement in Construction Process:
  Productivity
  - Quality
  - Safety
  - Environmental

Job Reference:

[Sediment and sludge surveys in all types of wastewater and settling ponds., Canada, adoption, 2018]

[Offshore seafloor survey, asset management; including inspection, repair and maintenance services; monitoring and remote systems technologies, USA, adoption, 2014]

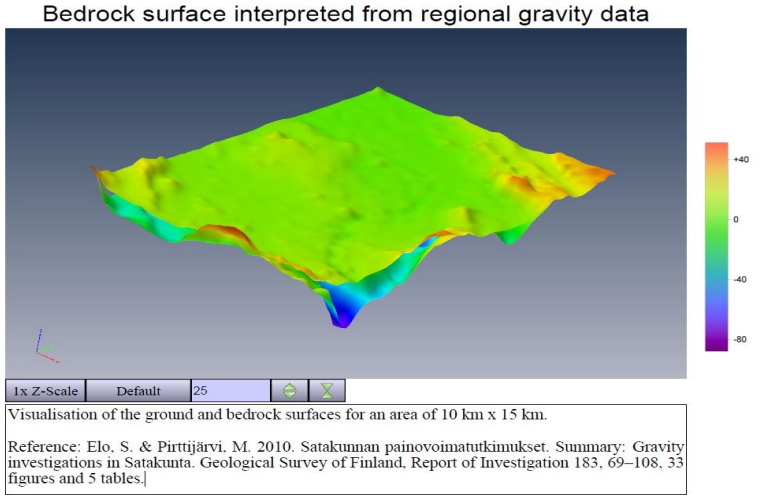
[Civil Engineering, Survey, UK, adoption, 2016]

[Civil Infrastructure, GIS, New Zealand, adoption, 2016]

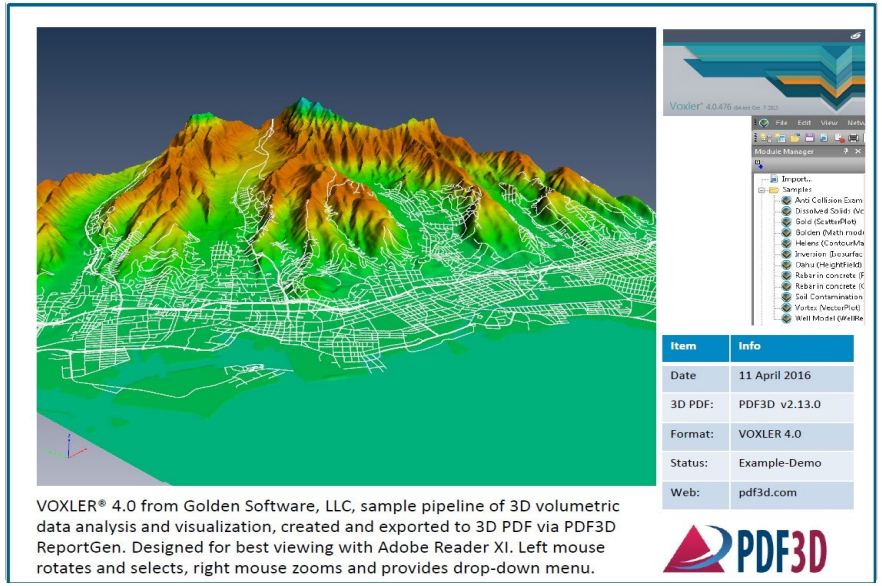
Requested content in reference format only

Adoption Example

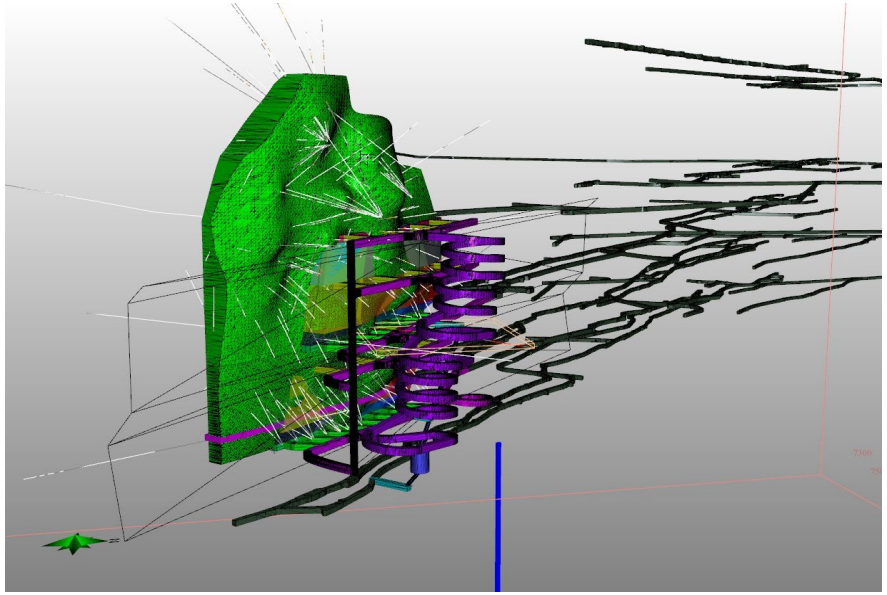
- Project for Illustration: [Bedrock Surface from Gravity Data, Finland, 2013]
- Work Process: Adoption
- Use/ Function in project:
  - Analysis of gravity survey data
  - Visualization of Honolulu elevation, head crater, colors contours with GIS vector
  - Displays drill-hole views, 3D stratigraphs, fencing diagrams, geological interpretations and topography for mine operation and planning



[Visualization of Ground & Bedrock]



[Honolulu Oahu Elevation DTM]

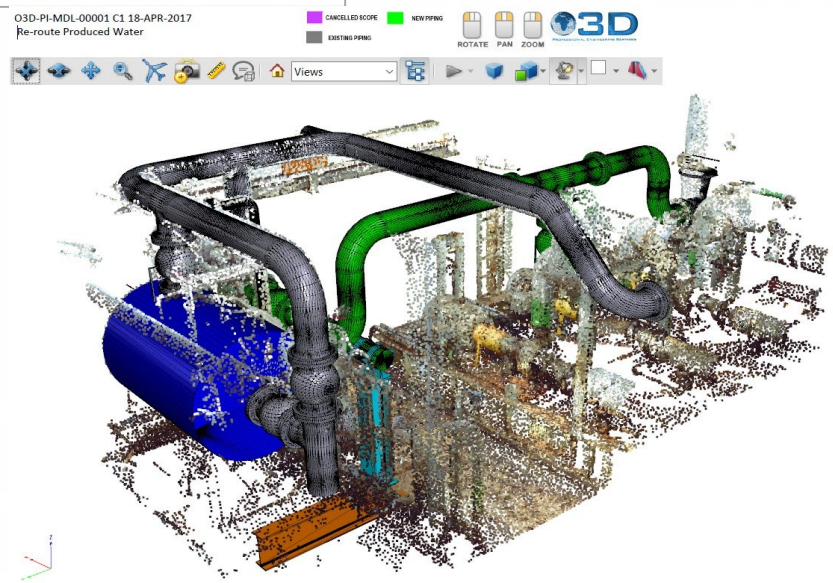


[Underground Mine Plan]

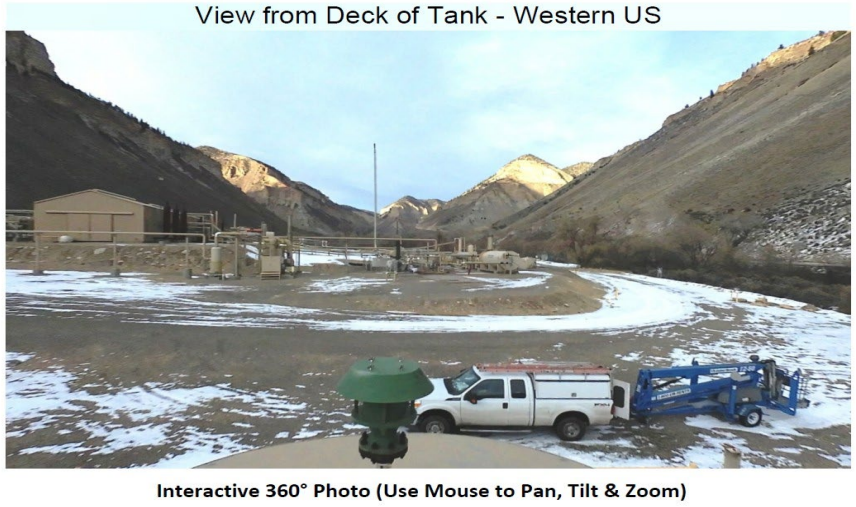
Requested content in reference format only

Adoption Example

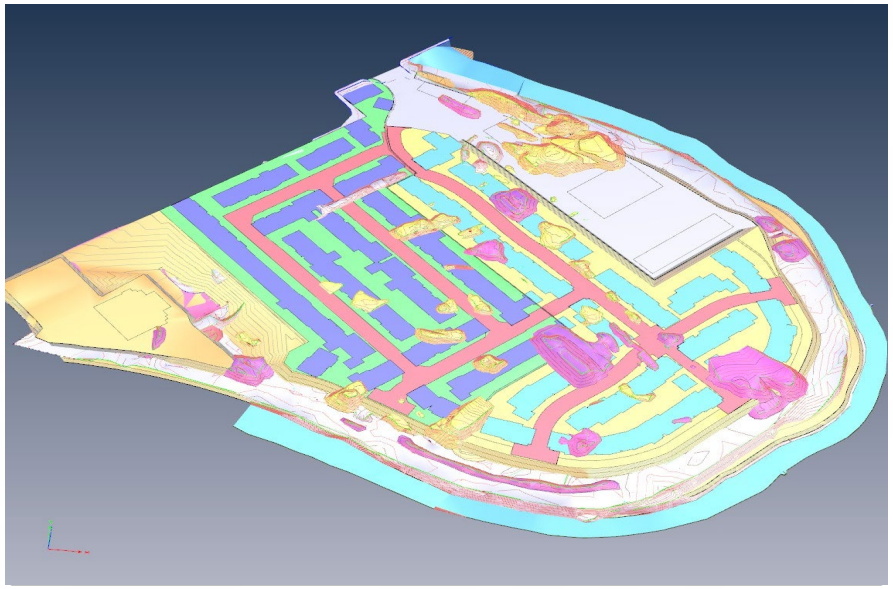
- Project for Illustration: [Regeneration Site Planning, UK Manchaster, 2015]
- Work Process: Adoption
- Use/ Function in project:
  - Remediation/regeneration site study
  - As-Built Design Change Process on Offshore Plant in 3D PDF Layering Laser-Scan 3D Point Cloud Survey of As-Built Structure with CAD Design Model of New Pipe Routing
  - 360 degree Panoramic Photography embedded in interactive 3D PDF site inspection report



[Point Cloud Survey with New Pipe Design]



[Winter Canyon Inspection 360 Degree]



[Regeneration Site Case Study]

Requested content in reference format only

Innovative Features

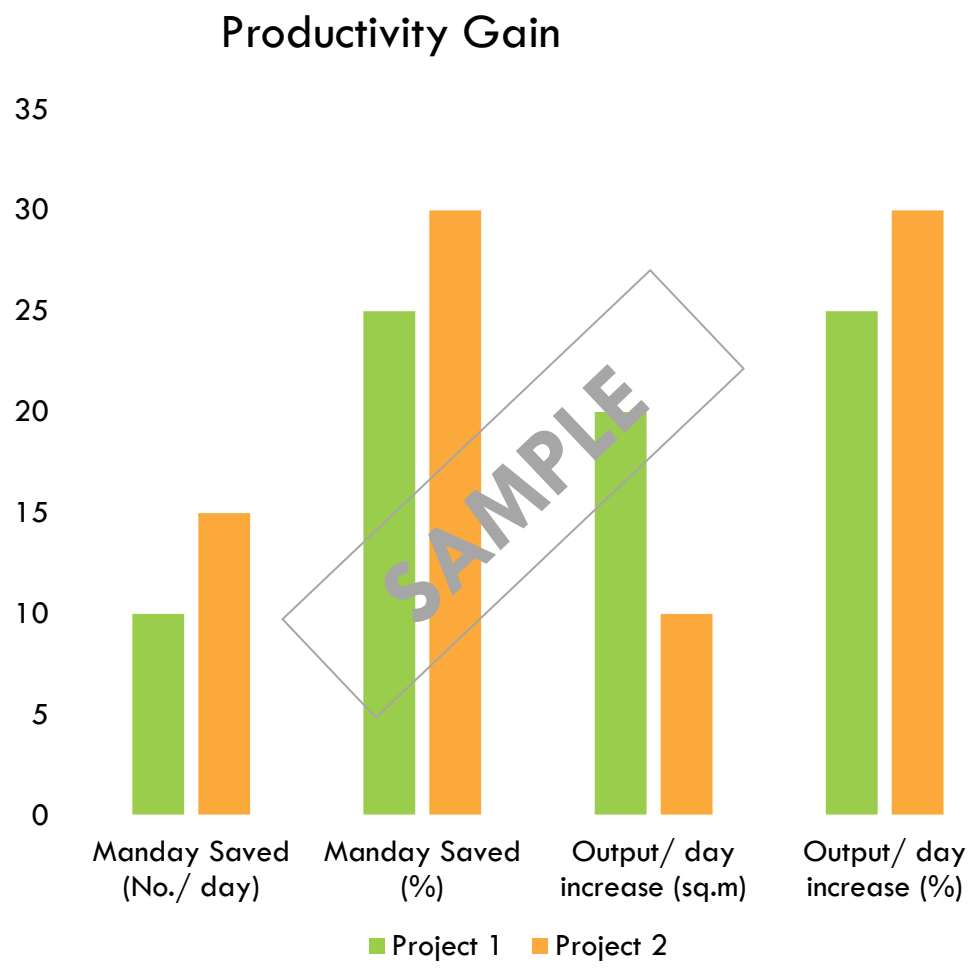
- Core Technology:
  XXXX
- Patent (if applicable):
  XXXX
- Comparison with current practice and popular models:
  - Technology
  - Specification
  - Benefits including cost benefits (product prices vs merits)
- Comparison with similar Pre-approved list products and competitors:
  - Technology
  - Specification
  - Benefits including cost benefits (product prices vs merits)
- First Launch Date: XXXXXX (for both the very first version and the latest version of this product)
- Awards (if applicable):
  - International
  - Local

Requested content in reference format only

Benefits – Productivity (if applicable)

- Improve productivity by:
  - [means/ aspect1 e.g. automated process]
  - [means/ aspect2 e.g. improved efficiency]
- Traditional Output:
  - XX no./ manday
- Output by [Technology]:
  - XX no./ manday
- Total Saving in Mandays:
  - XX no.
- Total Saving in Project Period:
  - XX days

  (Please provide real figures to substantiate as appropriate)



The above are examples only and not exhaustive !

Requested content in reference format only

Benefits – Quality (if applicable)

- Improve quality by:
  - [means/ aspect 1 e.g. error reduction]
  - [means/ aspect 2 e.g. less tolerance]
  - [means/ aspect 3 e.g. better workmanship]

(Please provide real figures to substantiate as appropriate)

Traditional Method Problem Photo

(Comparison with traditional method is suggested for easy understanding)

[Description]

New Method Improvement Proof/ Photo 2

[Description]

The above are examples only and not exhaustive !

Requested content in reference format only

Benefits – Safety (if applicable)

- Improve Safety by:
  - [means/ aspect 1]

    e.g. safety tracking/ detection and warning
  - [means/ aspect 2]

    e.g. dangerous work/ working environment eliminated
  - [means/ aspect 3]

    e.g. manual handling eliminated/ reduced

(Please provide real figures to substantiate as appropriate)

The above are examples only and not exhaustive !

Traditional Method Problem Photo

(Comparison with traditional method is suggested for easy understanding)

[Description]

New Method Improvement Proof/ Photo

[Description]

Requested content in reference format only

Benefits – Environmental (if applicable)

- Improve Environmental Performance by:
  - [means/ aspect 1 e.g. waste reduction]
  - [means/ aspect 2 e.g. noise reduction]
  - [means/ aspect 3 e.g. reduced air/ water pollution]
  - [means/ aspect 4 e.g. improved energy efficiency]
  - Reduce [CO2 emission/ solid waste] by XX [unit]
  - Reduce [fuel consumption] by XX [unit] (Please provide real figures to substantiate as appropriate)

The above are examples only and not exhaustive !

Traditional Method Problem Photo

(Comparison with traditional method is suggested for easy understanding)

[Description]

New Method Improvement Proof/ Photo

[Description]