3D GPR INSPECTION & ANALYSIS FOR:

Road Pavement
Airport Runway
Bridge Deck
Railroad Ballast
Utility Mapping
Archaeology
Delicious Delamination
In the beginning...
In the beginning...
In the beginning...
Thank you for the opportunity
Business Cases

Pavement / Bridge decks / Utility Mapping

- Pre-bid survey
- Post work QC
- Pre-warranty expiration
- Forensic diagnostics
- Maintenance planning
- Maintenance budgeting
- Accurate coring
Evolution
Future Plans
Customer Support

Now:
✓ Examiner User Group Forum
✓ Linkedin Group
✓ Quarterly Webex

Mid term:
✓ Video ‘How-to’s
✓ US support team
✓ US repair facility

Your success is our success

3D-Radar
Project templates

- Use predefined project templates or create and apply custom ones
- Templates can be used to re-utilize/share processing settings
- Custom templates can be created directly from the Region Processing Settings window or as simple XML files
- Possibility to use easy conditional programming in the XML files to vary processing settings, e.g. depending on type of array
Data management

• Import any kind of file in the Examiner project
• External files will be opened using the dedicated default application as in Windows
• Add files as local copies or as link
• Organize data regions and files in folders directly in the project tree
GPS analyzer

- Check quality of positioning information from embedded and external GPS
- Manually remove GPS outliers
- Edit the GPS path (to be developed)
Data Processing Preview

- Preview the processed data directly in the Region Processing Settings window
- Change task parameters and check immediately the effects on the radar image
- The preview panel allows to switch through the different channels and pan along the distance to analyse the entire data file
- Choose the best processing settings before applying the processing chain to the entire data set
Multiple Explore tabs

- Choose between opening multiple tabs or re-use last tab
- Open in parallel data from more than one region
- Cross-analyze images from different swaths
- Individual contrast control slider and gain settings for each tab
Also...

- Import video files and synchronize them with the GPR data
- Image generation through 3D modeling
  - Faster and more accurate image rendering
- Folder monitoring
  - Process data as they are acquired for quasi-real-time post-processing
- Create storage checkpoints along the processing chain
  - Possibility to quickly switch between data «before» and «after» the checkpoint
  - No need to re-apply the entire processing chain if changes in the processing parameters are effective only after the checkpoint
- Assign a geographical position to external files
  - For example, link an image to a specific position along the data
And more...

- Custom color palette for the GPR data
- Add annotations both in Overview tab and Explore tab
- Possibility to add custom Tile Map Service (TMS) and Web Map Tile Service (WTMS)
- Possibility to «clone» (copy) and split data regions
- Over 2000 built-in different coordinate reference systems and possibility to add custom ones
- More intuitive data export functionality
Things to leave with you
Things to leave with you

- Multiple applications
- Ground and Air Coupled
- Multiple antenna sizes & mounting options
- Automated reporting
- Dedicated to your success
Thank you!