

2 | Creating Projects

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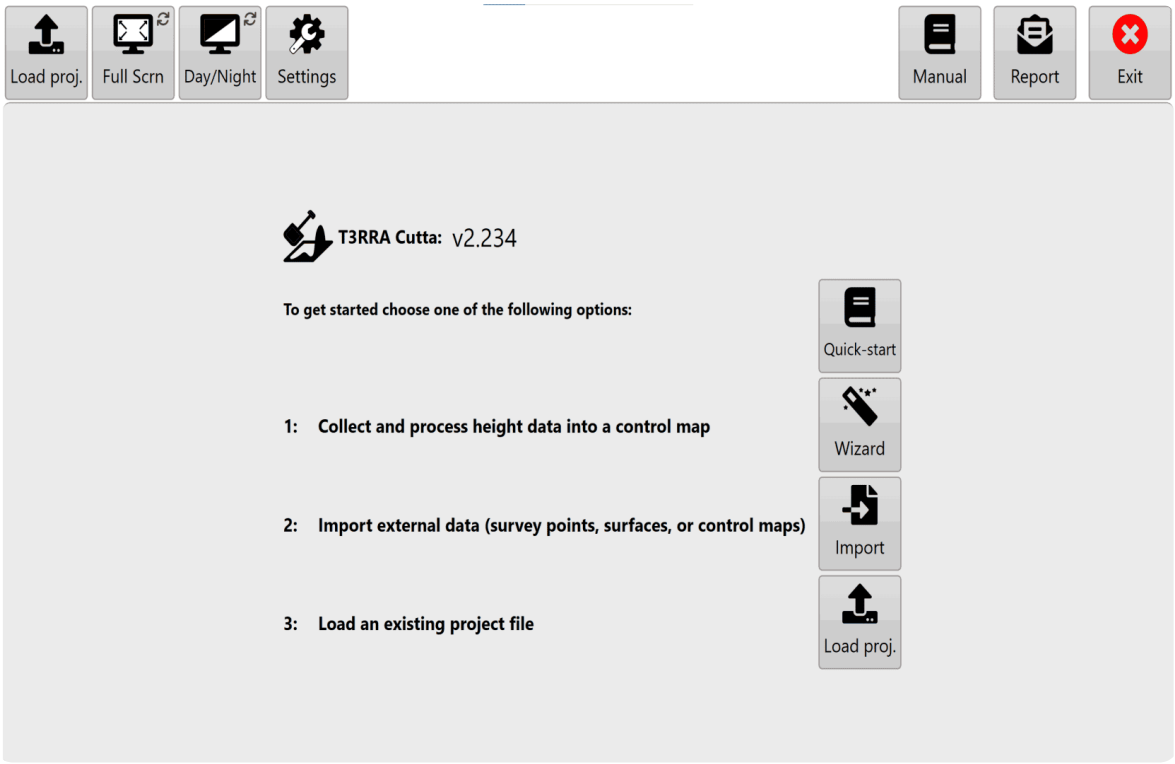
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2.1 | Main page / New Project Page

The **Main Page** appears when T3RRA software opens and when you select **New Project** within the Wizard.

Use the Main Page to access display settings, software configuration, the Operator's Manual and T3RRA support tools.



Main Page with display, settings, manual and report controls, and project-start options

Application Information

In windowed mode, the title bar shows information about the running application and current project.

The information varies with the software and may include:

- The name of the currently loaded project file.
- The T3RRA application name, such as **T3RRA Cutta**, **T3RRA Ditch**, **T3RRA Plane** or **T3RRA Survey**.
- The installed software version.

Full Screen Mode

Use **Full Scrn** to toggle between full-screen and windowed operation.

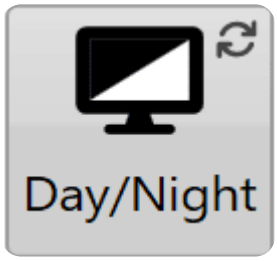
Full-screen mode maximises the display area available to T3RRA. Use windowed mode when you also need another application or a Windows function.

With a keyboard connected, **F11** also switches between full-screen and windowed modes.

Full Scrn button



Display Modes



Day/Night button

Three display modes help improve visibility in different operating conditions:

Mode	Description
Day	Standard light interface with a white background. This is the display mode used throughout this manual.
High Contrast	Uses an inverted colour scheme to improve visibility in some lighting conditions.
Night	Uses a dark background with a green foreground to reduce screen brightness during low-light operation.

Display modes demonstration



Settings button

Settings

Open **Settings** to review or configure the application.

Before starting work, check that the software configuration is correct for the machine, implement, project and GNSS system in use.

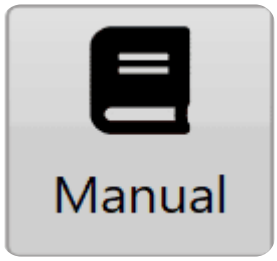
Refer to the **Settings** chapter for the available settings and their functions.

Open Manual

Use **Open Manual** to access the T3RRA Operator's Manual.

On first use, this option downloads and installs a local copy of the manual on the tablet. After installation, **Open Manual** opens that copy directly.

The first download requires an internet connection.



Manual button

Report

Use **Report** to open the T3RRA bug report and feature request window.

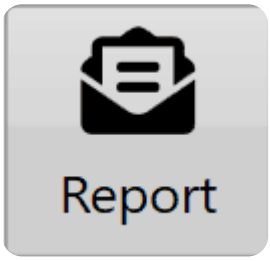
Use this window to:

- Report unexpected software behaviour.
- Submit information about a problem.
- Request or suggest new functionality.

Licence details automatically populate the **Name** and **Email Address** fields.

Submitting a report requires an active internet connection.

Report button



Bug report and feature request demonstration

2.2 | Importing External Files

T3RRA software uses the **T3RRA Project File (`.tci`)** as its native project format. Data from supported external file formats can be imported and converted for use within a T3RRA project.

To import external data, select **Import** from the Main Page and choose the appropriate file or data source.

> ⓘ **T3RRA Design** provides additional import and conversion capabilities and can be used to prepare many other file formats for use with T3RRA software.

Supported Import Formats

The available import options depend on the type and source of the data.

Survey and Elevation Data

Data Type	Supported Formats / Sources
Drain Paths	CSV (`.csv`); PCTXYZ

Full Field Surveys	CSV (`.csv`); PCTXYZ; John Deere RCD Log; John Deere ADAPT Log; John Deere SWM Survey; MyJohnDeere Field Operation*
Survey Data	KML (`.kml`)

*An internet connection is required when importing from MyJohnDeere.

Digital Elevation Models

JSONGrid; ESRI ASCII; Field Level II; AGPS Design File; Trimble Grid (`.xyzout`).

Control Files

Data Type	Supported Format
Drain Paths	John Deere Ditch Tracks (SWP Ditch Tracks)
Full Field	Field Level II

2.3 | Importing Data

The native project format for T3RRA software is the **T3RRA Project File (`.tci`)**. Before using data from a supported external source in a project, bring it into the project with **Import**.

> ⓘ **T3RRA Design** offers additional import and conversion capabilities for preparing many other file formats for use with T3RRA software.

> ⚠ **T3RRA Apply does not support data import.** It can only use designs created in, or provided by, other T3RRA projects.

Loading and importing

In T3RRA software and this manual, **loading** and **importing** are distinct operations:

- **Loading** opens an existing T3RRA `.tci` project file.
- **Importing** brings external or third-party data into a T3RRA project.

A `.tci` project can normally be loaded directly. External data may need extra import steps: T3RRA may require information about the source data, or may need to interpret or convert it before use.

Import a file

Import external data while creating a project, or add it to an existing project at any time.

1. Open the Import window

Select **Import** on the **Main Page** or in the Wizard's **Collect** step.

With a keyboard connected, you can also open the Import window by pressing **Ctrl+I**.

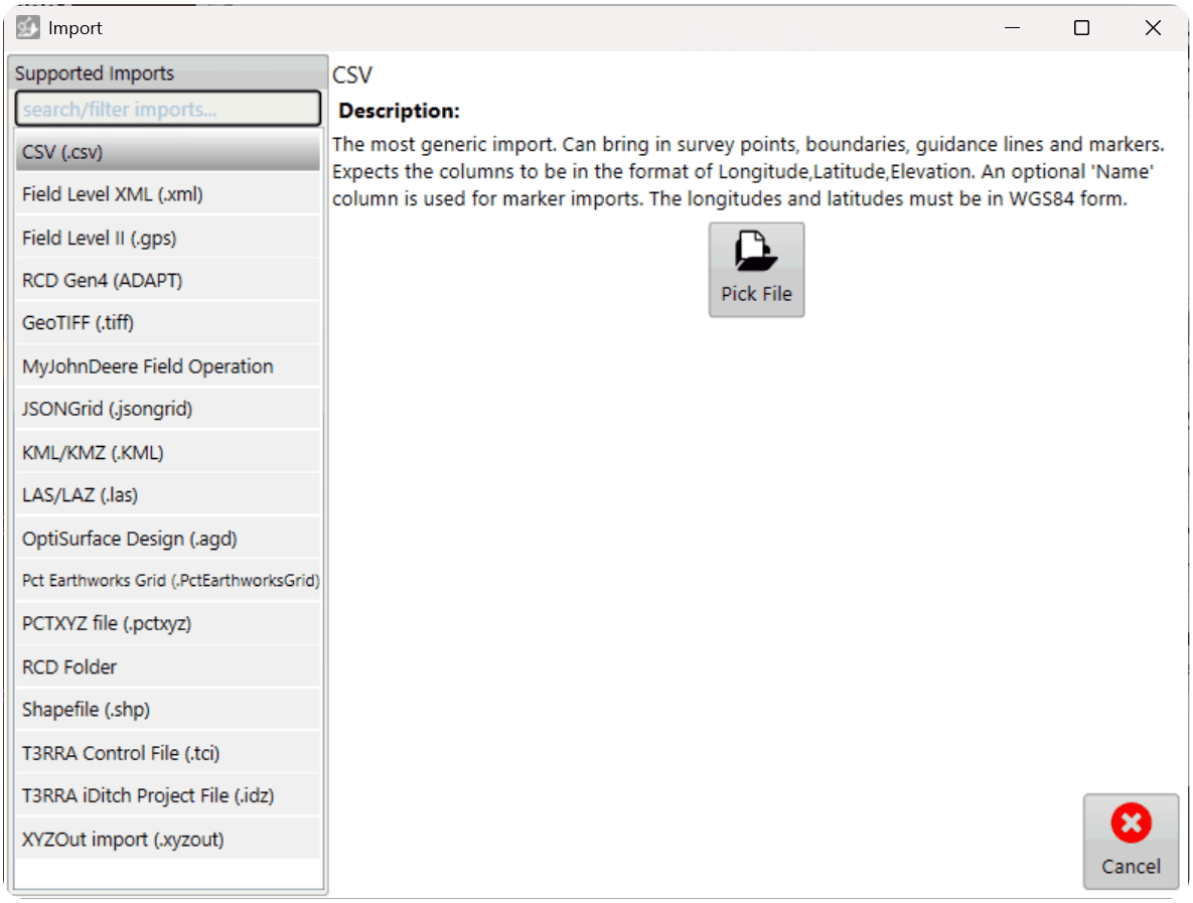


Import button.

2. Select the import type and file

Choose the appropriate data or file type from the left side of the Import window.

Select **Pick File**, then browse to the file you want to import and select it.



Import window: import types on the left and Pick File for the selected type.

3. Configure the import

Some file types need additional information before they can be read, such as the coordinate system or projection.

Enter the required information, then select **Read** in the lower-right corner.

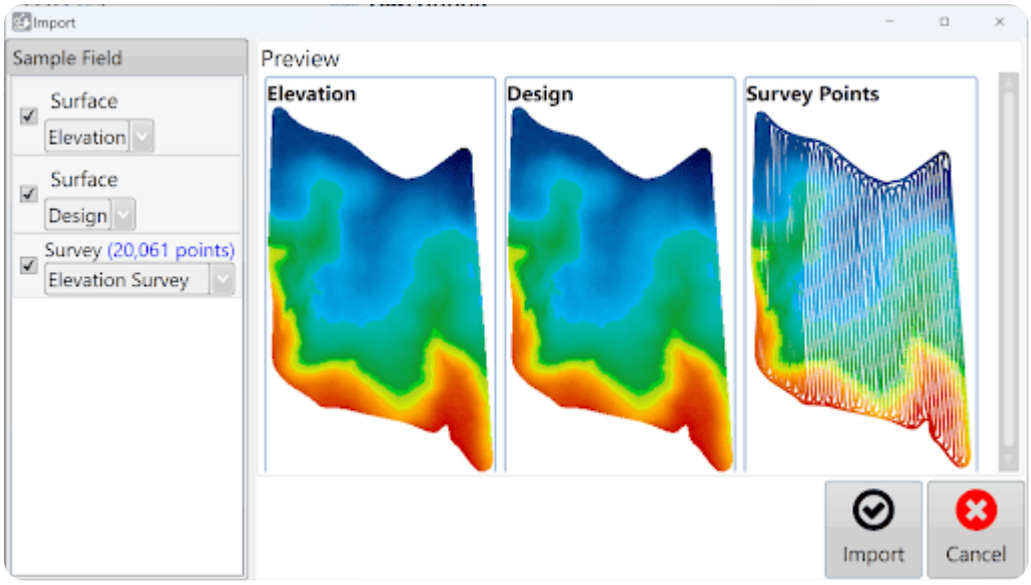
> ⚠ CSV data containing latitude and longitude coordinates must use **WGS84** for those coordinates.

4. Review the data

After the file has been read, select the data to import. The right side of the window shows a preview of the available data.

T3RRA attempts to identify the file's data type automatically. If it identifies the wrong type, select the correct type using the available drop-down menus.

Review the data and your selections, then select **Import**.

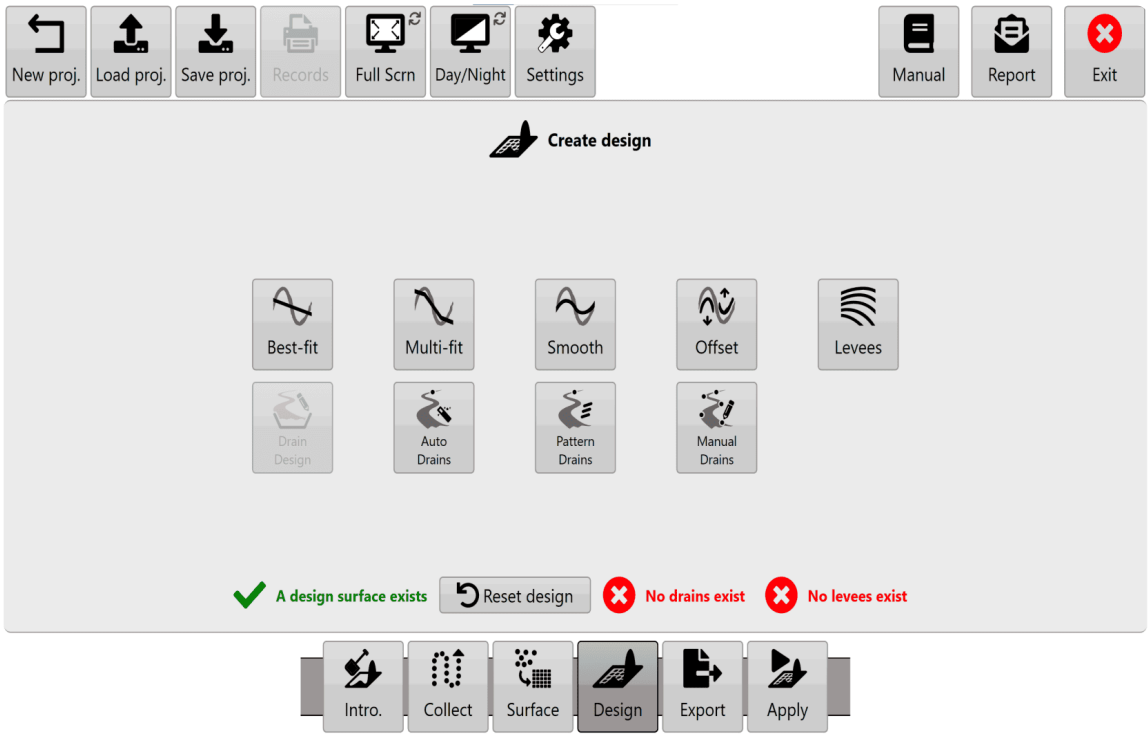


Data selection and previews in the Import window.

5. Continue with the imported data

After the import finishes, the data is available in the project for surfacing and design operations as required.

> Importing elevation survey point data automatically creates the corresponding surface in T3RRA.



Design step with design tools and surface status.

2.4 | Loading a Project



Load proj. button

Use **Load proj.** to open an existing T3RRA project (`.tci`) from the standard project structure, another location on the tablet PC, or external storage such as a USB drive.

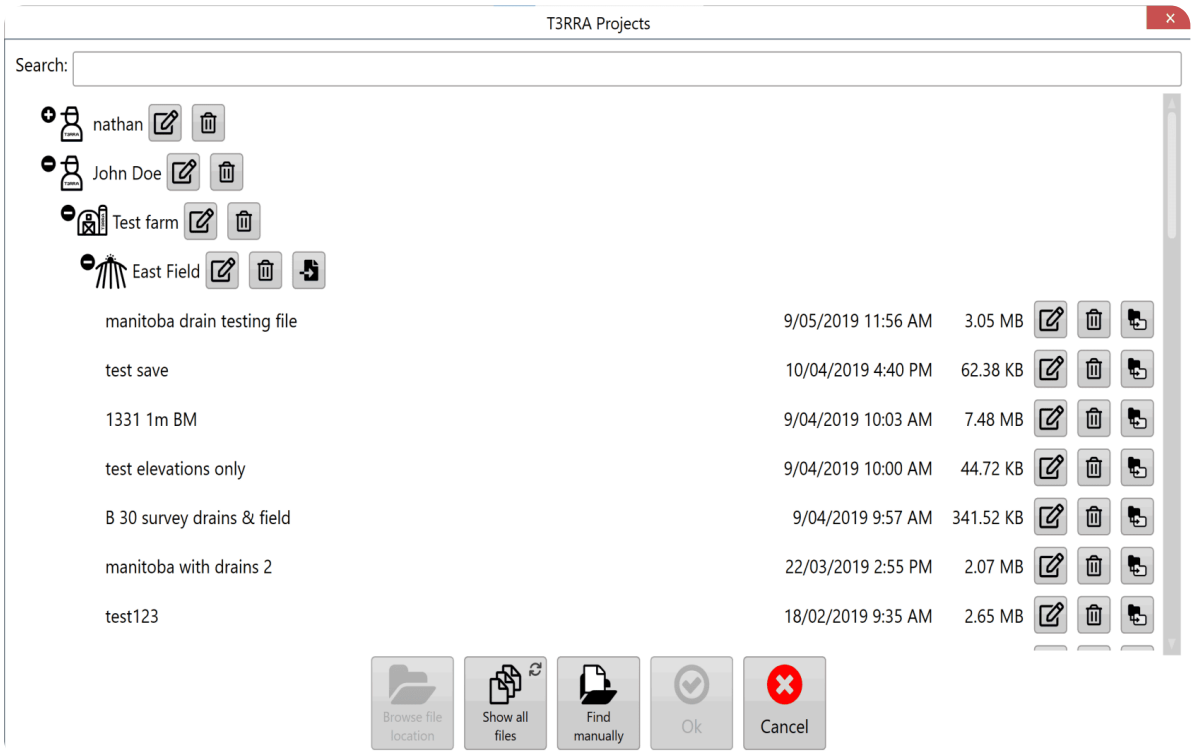
Start by selecting **Load proj.** on the Main Page.

Loading from Grower/Farm/Field

The standard T3RRA file structure organises projects by **Grower, Farm and Field** profiles.

Choose the appropriate **Grower**, **Farm** and **Field**. Then select the project and press **OK**.

See the section later in this chapter for information on creating and managing Grower, Farm and Field profiles.



T3RRA Projects: Grower/Farm/Field hierarchy and project list

Managing Saved Projects



Rename, Delete and Move project buttons, left to right

Each project has three management buttons:

Button	Function
Rename	Renames the selected project file.
Delete	Deletes the selected project. Deleted files are moved to the Windows Recycle Bin.
Move	Opens the project location window, allowing the selected project to be moved to another Grower, Farm, Field or file location.

Use these controls to organise existing project files within T3RRA software.

Finding a Project Manually

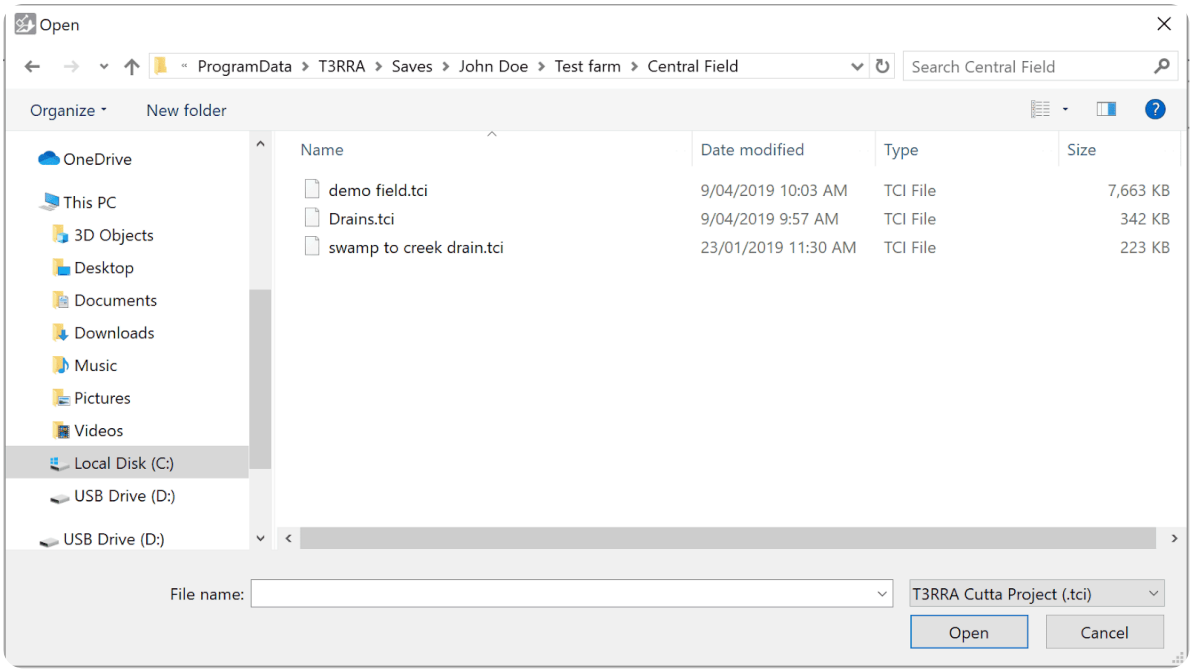
T3RRA projects are standard Windows files; they do not have to be kept in the default T3RRA folder structure.

For a project saved elsewhere, select **Find manually**.



Project browser: Show all files and Find manually

Browse to the required T3RRA project (`.tci`) in Windows File Explorer. Select the file, then select **Open**.



Windows Open dialog listing .tci projects

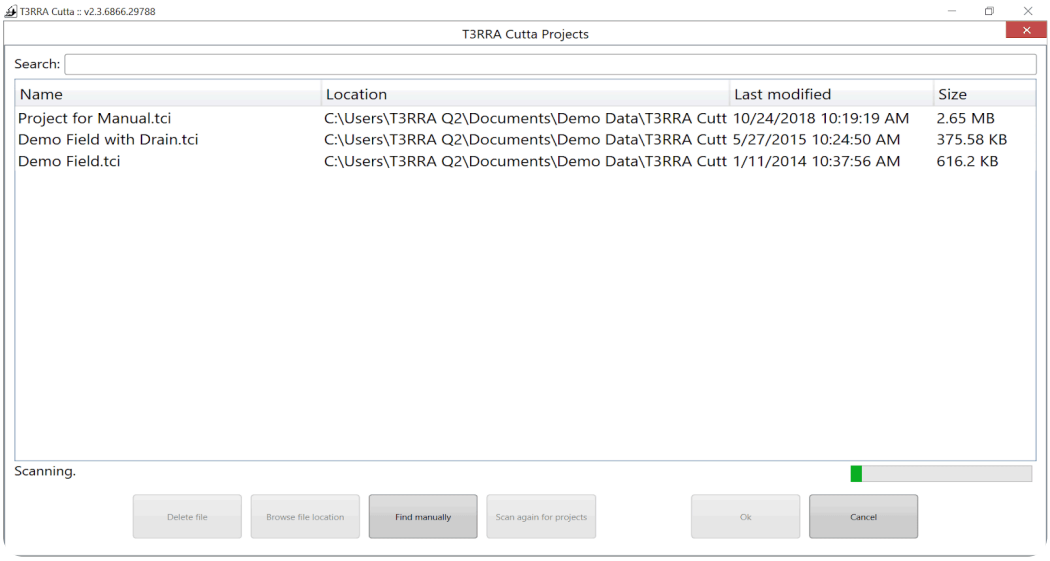
You can also use this option to open a project on external media, such as a USB drive.

Finding All T3RRA Projects

If the saved location is unknown, select **Show all files**.

T3RRA scans the computer's **C: drive** for compatible project files, adding them to the list as they are found. The lower-right progress bar shows that scanning is still underway.

Filter the results by project filename using the **Search** field.



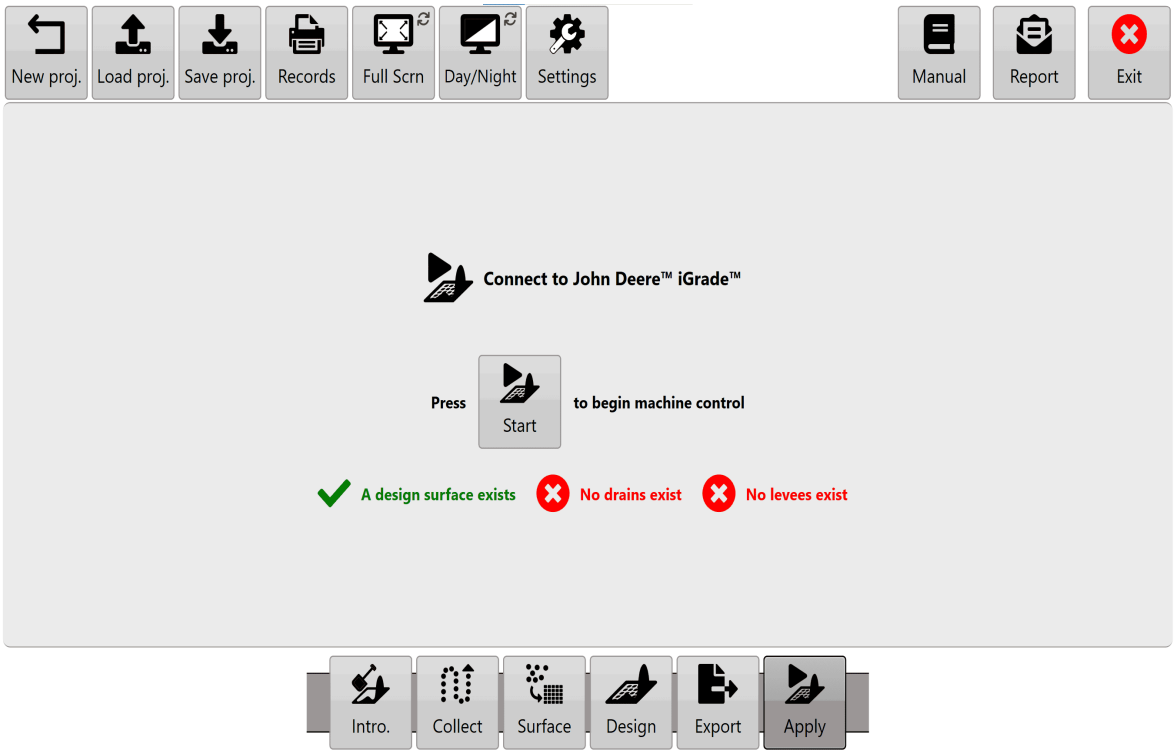
Project scan: Search field and lower-right progress bar

Select the required project once you find it, then press **OK**.

Continuing a Loaded Project

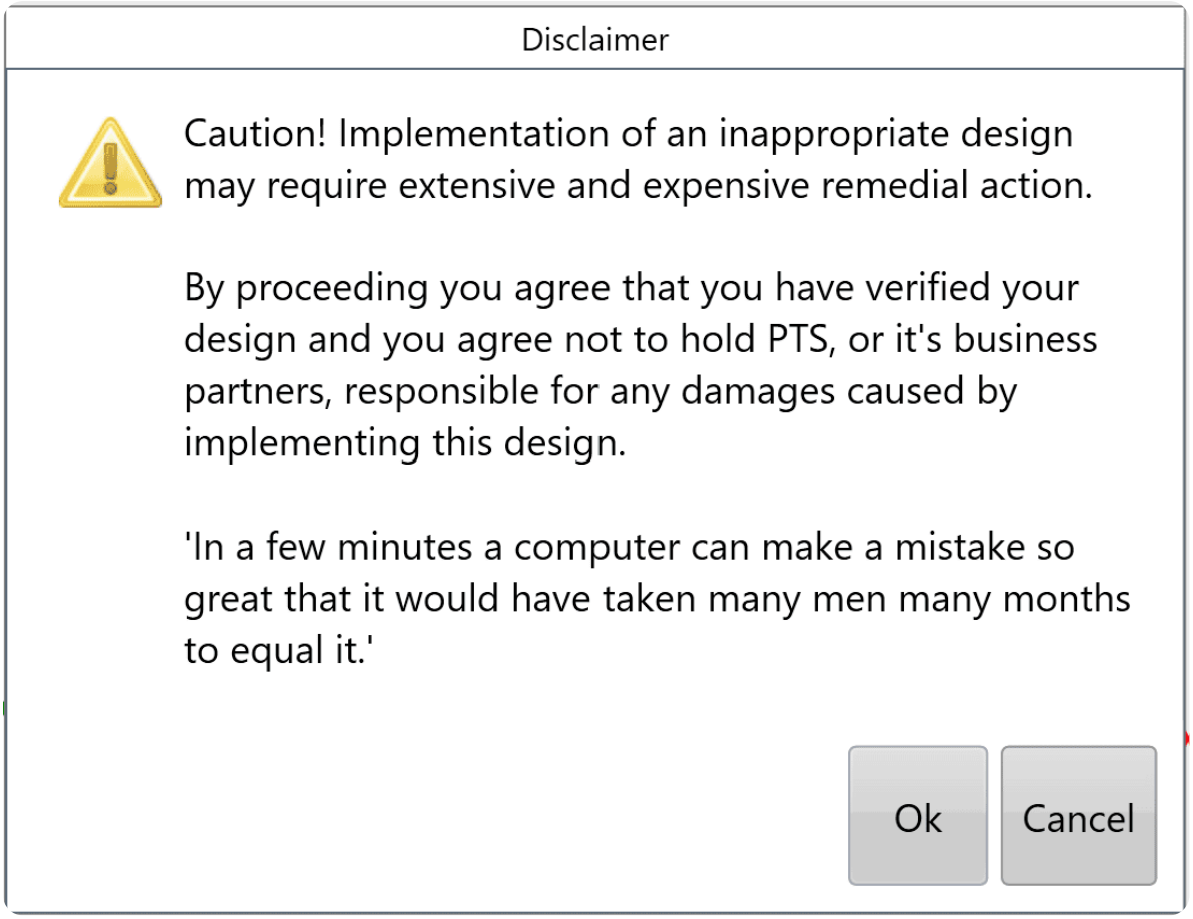
Loading a project opens the **Wizard** at its appropriate stage. Saved progress is retained so you can continue where you left off.

If the project is ready for machine control, proceed directly to the **Apply** stage.



Apply stage with Start button and example design, drain and levee status

When ready to implement the project, select **Start**. You must accept the displayed **Disclaimer** before machine control can begin.



Disclaimer: inappropriate-design warning, Ok and Cancel

2.5 | Saving and Auto-Saving Projects

Saving a project retains its survey, design and other associated data so you can close T3RRA software and resume work later.

Although T3RRA software includes an automatic backup system, **regularly saving your project is strongly recommended** to minimise the risk of data loss.



Saving a Project

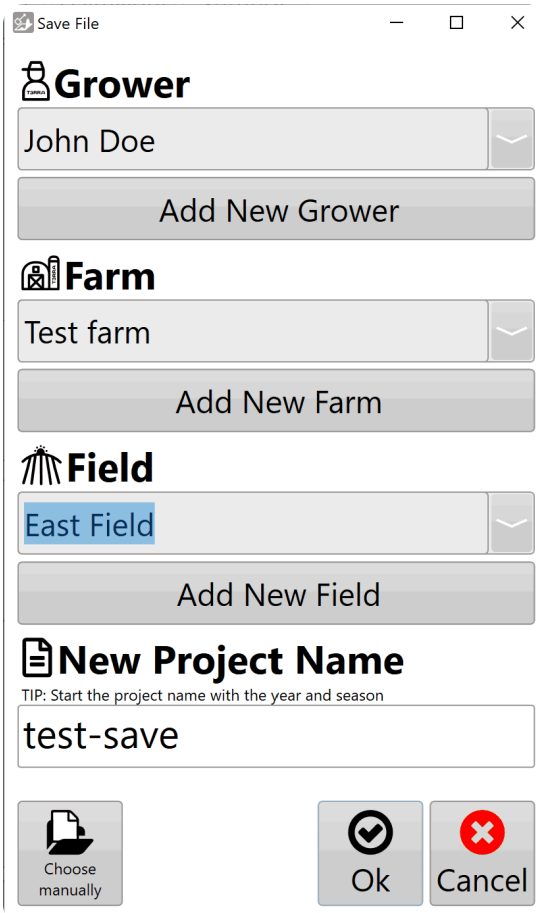
The **Save project** button is available from the main Wizard pages.

Select **Save project** to open the project save window. T3RRA's standard project structure organises projects using the following information:

- **Grower**
- **Farm Name**
- **Field Name**
- **Project Name**

Enter the required information, or use the drop-down lists to select an existing Grower, Farm or Field.

Select **OK** to save the project within the standard T3RRA project structure.



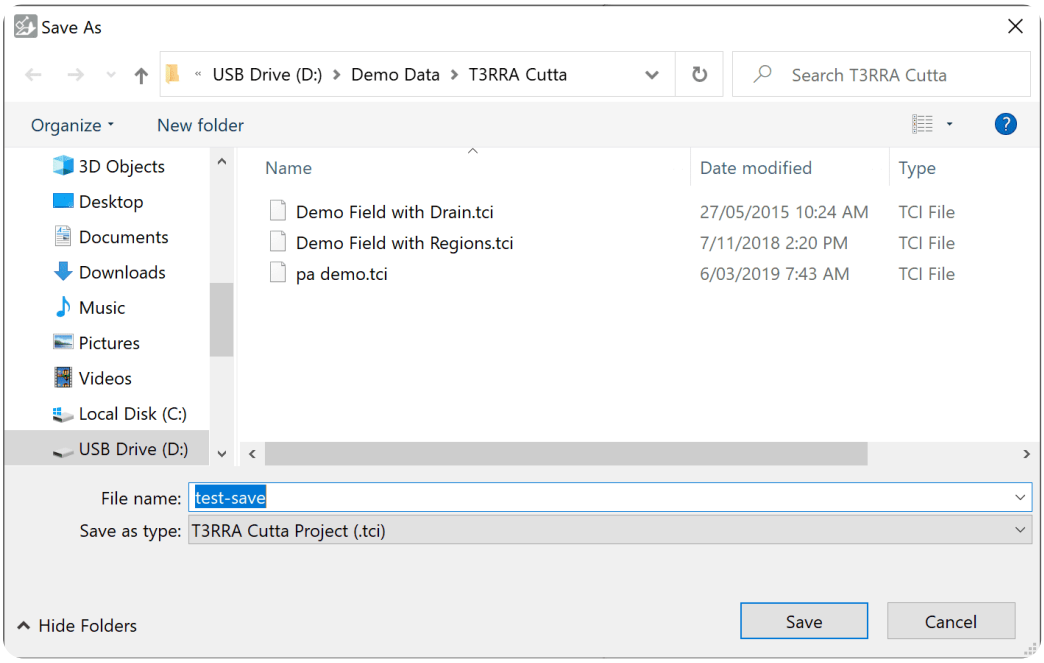
Saving to Another Location

T3RRA project files are standard Windows files and can also be saved outside the default T3RRA project structure.

Select **Manually Choose Location** to specify an alternative save location.

The save window can be navigated using either the folder tree on the left or the main file browser. Navigate to the required location, enter a filename, then select **Save**.

You can save elsewhere on the tablet PC or to another available storage location.



Important — Back Up Your Projects

Regularly copy important project files to a location **separate from the in-cab tablet PC**. This provides an additional copy of your project data if the tablet is damaged, lost or experiences a hardware failure.

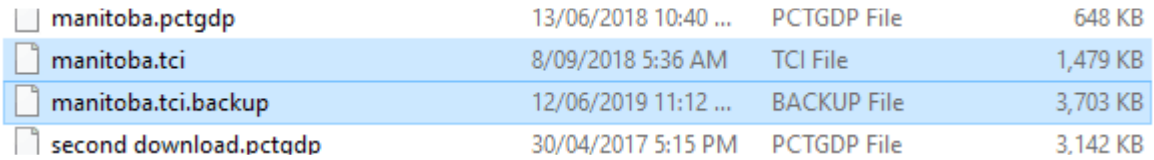
Consider backing up at appropriate stages during a job instead of waiting until all work is complete.

Auto-Saving

T3RRA software automatically creates backup copies of project data while you are working. Autosaving helps protect against data loss if the application closes unexpectedly or the tablet PC experiences a software or hardware failure.

The autosave interval can be configured under **Settings > Advanced**.

Autosave files are stored in the same location as the active project and use the same project filename with an additional `.backup` suffix.



Recovering an Auto-Saved Project

When you load an existing project, T3RRA checks for its corresponding autosave file.

If an autosave exists and has a **newer date and time** than the saved project, T3RRA will prompt you to choose whether to load the newer autosaved version.

After an unexpected shutdown or other interruption, this can recover work completed since the last manual save.

Manually Recovering an Auto-Save

An autosave contains the same project data format as a regular T3RRA project and can also be recovered manually if required.

Using Windows File Explorer, locate the appropriate autosave file and **make a copy before modifying it**. Rename the copied file by removing the `.backup` suffix:

`ExampleProject.tci.backup` → `ExampleProject.tci`

Open the recovered copy as a normal T3RRA project, keeping both the original project and the autosaved version.