

# PowerTools – Plus Project

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A Fusion 360 add-in that connects your design projects to [ClickUp](#). Map any Fusion project to a ClickUp task list, open that list with a single click, and create new tasks without leaving the design environment.



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## Commands

Command	Location	Purpose
<a href="#">Set ClickUp Tokens</a>	QAT > PowerTools Settings	Store your ClickUp and TinyURL API keys
<a href="#">Map Project to ClickUp</a>	QAT > PowerTools Settings	Link the active Fusion project to a ClickUp list
<a href="#">Open ClickUp</a>	Design toolbar	Open the mapped ClickUp list in your browser
<a href="#">Add ClickUp Task</a>	Design toolbar	Create a new ClickUp task from within Fusion

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## Installation

1. Download or clone this repository.
2. In Fusion 360, open the **Scripts and Add-Ins** dialog ([Shift+S](#)).
3. On the **Add-Ins** tab, click the **+** icon and select the repository folder.
4. Select **PowerTools-PlusProject** and click **Run**.

The add-in loads the PowerTools panel into the Design workspace toolbar and adds a **PowerTools Settings** flyout to the Quick Access Toolbar (QAT).

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## First-Time Setup

Complete these two steps before using the toolbar commands.

### 1. Set API Tokens

Run **Set ClickUp Tokens** from **QAT > PowerTools Settings** and enter your credentials:

- **ClickUp API Token** — required for all commands. See [Getting Started with the ClickUp API](#).
- **TinyURL API Token** — required only when attaching a document link to tasks. See [TinyURL Developer API](#).

## 2. Map Each Fusion Project

Open any saved document in a project, run **Map Project to ClickUp**, and enter the ClickUp list URL and List ID. Repeat for each Fusion project you want to connect.

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## Typical Workflow

1. Create a peer project in ClickUp for each Fusion project, with a task list to track work.
  2. Run **Map Project to ClickUp** once per project to store the list URL and ID.
  3. While working in Fusion, use **Open ClickUp** to jump directly to the task list.
  4. Use **Add ClickUp Task** to log new tasks — optionally linking the active Fusion document.
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## Requirements

- Autodesk Fusion — any current subscription tier
  - A ClickUp account with API access
  - A TinyURL account with API access (*optional — required only for document linking*)
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## Documentation

Full command reference is in the [docs/](#) folder.

- [Set ClickUp Tokens](#)
  - [Map Project to ClickUp](#)
  - [Open ClickUp](#)
  - [Add ClickUp Task](#)
  - [Creating the Fusion Design Custom Field](#)
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## Cache Files

The add-in stores runtime data locally in [cache/](#) at the add-in root. These files are excluded from source control and must not be shared.

File	Contents
<a href="#">cache/auth.json</a>	ClickUp and TinyURL API tokens
<a href="#">cache/projects.json</a>	Fusion project URN → ClickUp list mappings