

IEDSS – Industrial Engineering Decision Support System

Industrial Engineering Toolkit

Installation & Setup Guide

For IT teams and end users installing on a Windows PC

Before you start

This guide covers everything needed to install and run IEDSS on a Windows computer, including the one-time system prerequisite, first-launch security prompt, and license activation. If your organization has an IT department, they can complete this entire guide unassisted.

1. System Requirements

IEDSS is a standalone Windows application. It does not require Python, an internet connection, or any other software to be installed beforehand, with one exception noted below.

Requirement	Details
Operating System	Windows 11, 64-bit only (this build does not run on Mac, Linux, or 32-bit Windows)
Python	Not required — fully self-contained, nothing to install
Microsoft Excel	Not required to run the tools — reads/writes .xlsx files directly
Web Browser	Required to view HTML dashboard outputs (Edge, already on every Windows PC, is sufficient)
Disk Space	Check the actual install folder size before sending; budget a few hundred MB free space to be safe
RAM	4 GB minimum, 8 GB recommended
Admin Rights	Not required to run the app itself (portable, no installer). May be required once, to install the Visual C++ Redistributable below
Internet	Not required to run — the app works fully offline. Needed only once, to download the Visual C++ Redistributable if not already present

2. Installation Steps

Step 1 — Copy the application folder

Copy the folder you were given (containing IEDSS.exe, an Engine folder, license.lic, and Production_Study_Master.xlsx) anywhere on the computer — the Desktop or Documents folder both work fine. No installer is run and nothing is written outside this folder.

Step 2 — Install the Microsoft Visual C++ Redistributable (one-time)

IEDSS is compiled with Nuitka, which relies on Microsoft's standard C++ runtime libraries. Most Windows 10/11 PCs that are reasonably up to date already have this installed via Windows Update. If not, it is a free, one-click install directly from Microsoft.

Official Microsoft download (x64, permanent link): https://aka.ms/vc14/vc_redist.x64.exe

Manual install:

1. Download the file from the link above.
2. Double-click vc_redist.x64.exe.
3. Accept the license terms and click Install.
4. Click Close when finished. A restart is not normally required.

For an IT department deploying to multiple machines, this can be installed silently with no user interaction from Command Prompt (run as Administrator):

```
vc_redist.x64.exe /install /quiet /norestart
```

To show a simple progress bar without requiring any clicks, use /passive instead of /quiet:

```
vc_redist.x64.exe /install /passive /norestart
```

To confirm whether it is already installed before running the above (avoids a harmless "already installed" message), check this registry key in Command Prompt:

```
reg query "HKLM\SOFTWARE\Wow6432Node\Microsoft\VisualStudio\14.0\VC\Runtimes\x64" /v Version
```

If that command returns a version number, the runtime is already present and this step can be skipped.

Step 3 — First launch: Windows SmartScreen warning

The first time IEDSS.exe is run, Windows will very likely show a blue "Windows protected your PC" screen. This is expected and not a virus warning — it appears for any new application that has not yet been digitally code-signed, which is a separate paid certificate this build does not currently include.

1. Double-click IEDSS.exe.
2. If the SmartScreen popup appears, click "More info".
3. Click "Run anyway".

This prompt appears only once per computer per exe file. After the first successful run, Windows remembers the choice and will not ask again.

Step 4 — Activate the license

IEDSS is locked to the specific computer it is licensed for. Activation is a short one-time exchange between the customer and the vendor:

1. Run IEDSS.exe once. If no license.lic is present yet, it will show the computer's unique Machine ID.
2. Send that Machine ID to us (gayathri.lanconsultancy@gmail.com).
3. We will send back a license.lic file, generated specifically for that Machine ID.
4. Place license.lic directly inside the same folder as IEDSS.exe (not inside the Engine subfolder).
5. Run IEDSS.exe again. The header will now show either the trial countdown or "Licensed to [Company Name]" for a full license.

Important

A license.lic file only works on the exact computer it was generated for. Moving the software to a different PC — even copying the whole folder — will require a new license.lic for that machine. This is by design, not an error.

Step 5 — Running the application

Once installed and licensed, day-to-day use requires nothing further:

- Double-click IEDSS.exe to open the toolkit.
- Place the current Production_Study_Master.xlsx in the same folder before running any tool.
- Use "Run Full Pipeline" for the complete 19-step workflow, or run any individual tool from the list.
- All outputs are saved automatically into a Output folder as time stamped sub folder, alongside a copy of the master file that was used for that run.

3. Command Prompt Quick Reference

For an IT department that prefers to verify everything from Command Prompt rather than clicking through dialogs, here is every relevant command in one place.

Check Windows version and edition

```
winver
```

Or, for a text-only result that's easy to copy into an email:

```
systeminfo | findstr /B /C:"OS Name" /C:"OS Version"
```

Check whether the Visual C++ Redistributable is already installed

```
reg query "HKLM\SOFTWARE\Wow6432Node\Microsoft\VisualStudio\14.0\VC\Runtimes\x64" /v Version
```

Install the Visual C++ Redistributable silently

```
vc_redist.x64.exe /install /quiet /norestart
```

Run IEDSS from Command Prompt (optional — same as double-clicking)

Useful if a launch error needs to be read in full rather than in a popup:

```
cd "C:\path\to\IE Pro Suite folder" "IE Pro Suite.exe"
```

4. Troubleshooting

"Windows protected your PC" won't go away / no "More info" link

Confirm the file was downloaded/copied directly rather than opened from inside a zip file still showing as compressed — extract fully to a normal folder first, then run it from there.

A .dll is missing / "application failed to start" error

This means the Visual C++ Redistributable from Step 2 is missing or an older version. Re-run the installer from the link in Section 2.

"No license file found"

license.lic is missing from the folder, or was accidentally placed inside the Engine subfolder instead of alongside IEDSS.exe. Confirm its exact location.

"This license is locked to a different computer"

The license.lic in use was generated for a different Machine ID than this PC's. This most often happens when copying an entire install folder from one computer to another. Send the new computer's Machine ID to us for a fresh license.lic.

"Trial expired"

The trial period has ended. Contact the vendor to purchase a full license, which will be issued as a new license.lic for the same Machine ID — no reinstall needed.

"Production_Study_Master.xlsx NOT FOUND"

This is not a licensing or installation error — it simply means the master workbook is not present in the same folder as IEDSS.exe. Copy the correct .xlsx file into that folder.

Support

For any issue not covered above, contact us. with a screenshot of the exact error message and the Machine ID shown by the application.

Contact Details

Gayathri Lean Consultancy

Gayathri.leanconsultancy@gmail.com

+91 70103 78025 Ph & WhatsApp .