

WINDOWS INSTALLATION GUIDE

FOR CYBERTEC POSTGRES SQL
ENTERPRISE EDITION



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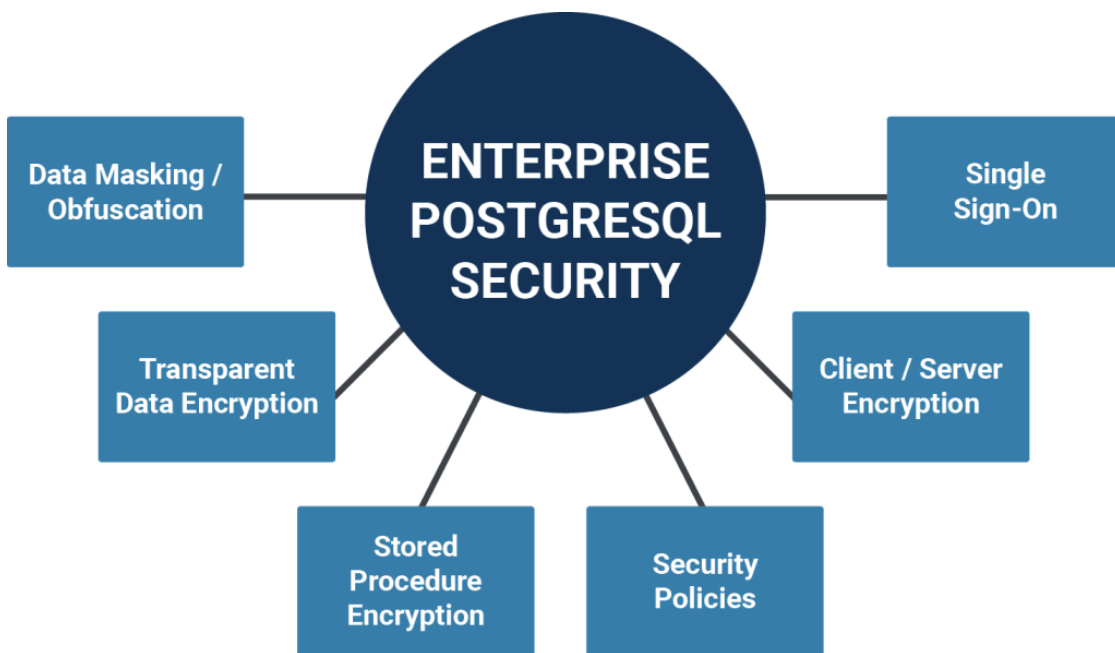
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INSTALL PGEE ON WINDOWS

CYBERTEC PostgreSQL Enterprise Edition (PGEE) is a CYBERTEC product which has been designed for enterprise-grade security in critical environments that require additional security, as well as regular auditing. This solution focuses heavily on **compliance** and **business-critical** workloads for various industries, including but not limited to:

- Banking and financial services
- Governments and defense
- Critical national infrastructure
- Business-critical missions

Ensuring security is key, and therefore our first priority is to provide customers with **encryption at every level**, while also providing cutting-edge performance.



PGEE offers **comprehensive database security** and provides the necessary tooling to enable enterprise success, focusing on these key aspects:

- Encryption at every level
- Secure software development
- Auditing and certification

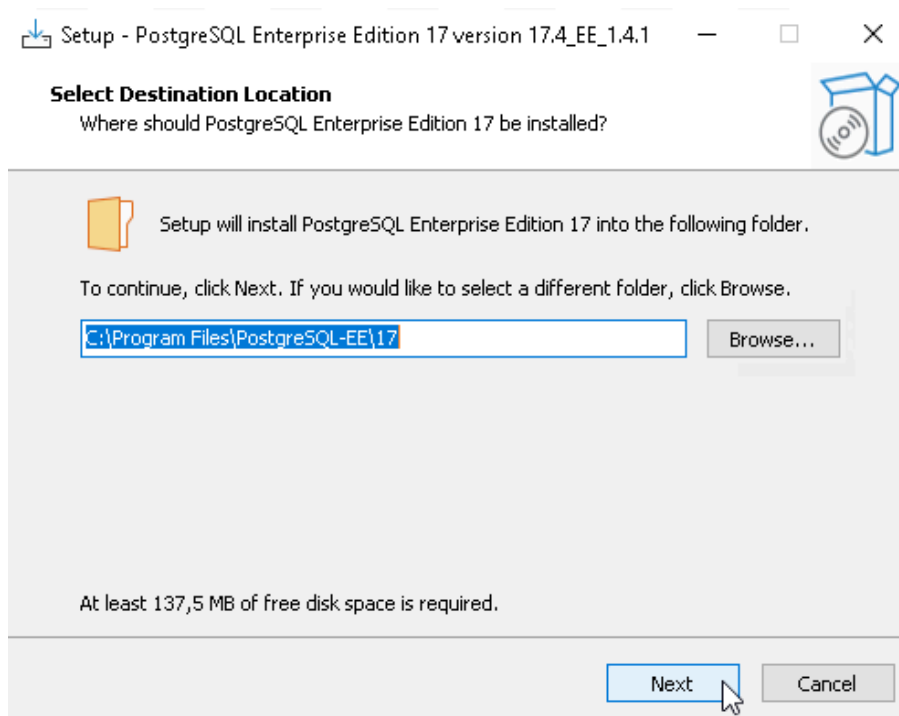
This document describes how PGEE can be installed on **Microsoft Windows**. CYBERTEC offers an easy-to-use installer, capable of providing end users with a pleasant customer experience.

INSTALLING PGEE

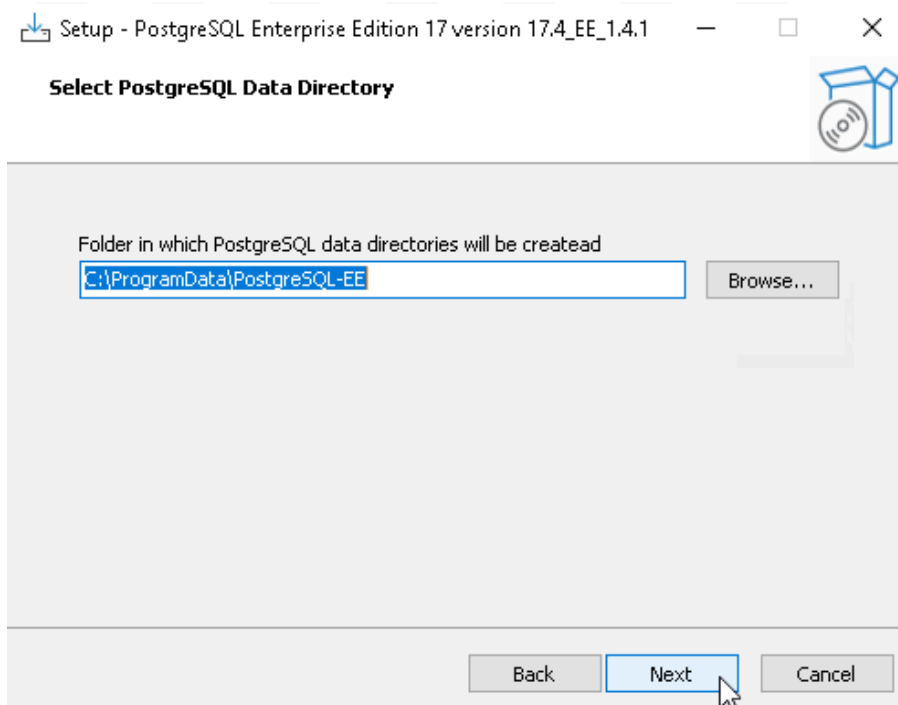
The PGEE installer can be downloaded at <https://repository.cybertec.at/windows/>.

The PGEE installer is named **postgresql-ee-version-flavor.exe** and is provided as part of the CYBERTEC offering. The **public** flavor is the PGEE demo version that is available and can be used to evaluate PGEE. It has a **100MB per table** limit, but is otherwise unrestricted. The **PGEE** flavor is the **full PGEE version** for CYBERTEC customers (contact sales@cybertec-postgresql.com for your personal access).

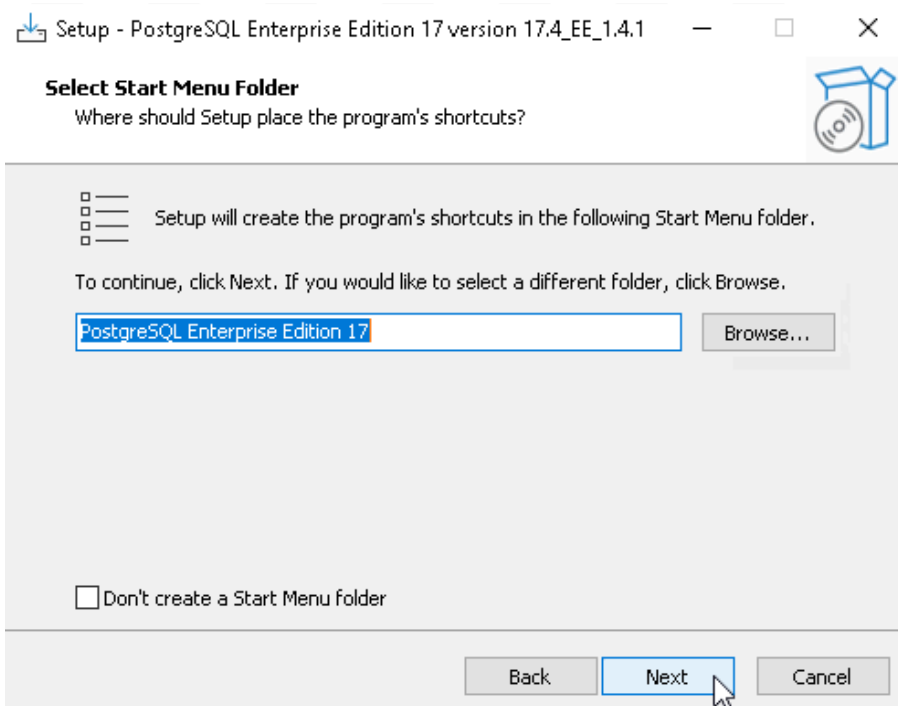
After starting the installer, click through the windows that pop up. If unsure, just choose **Next** at each step to perform a default installation, suitable for most users.



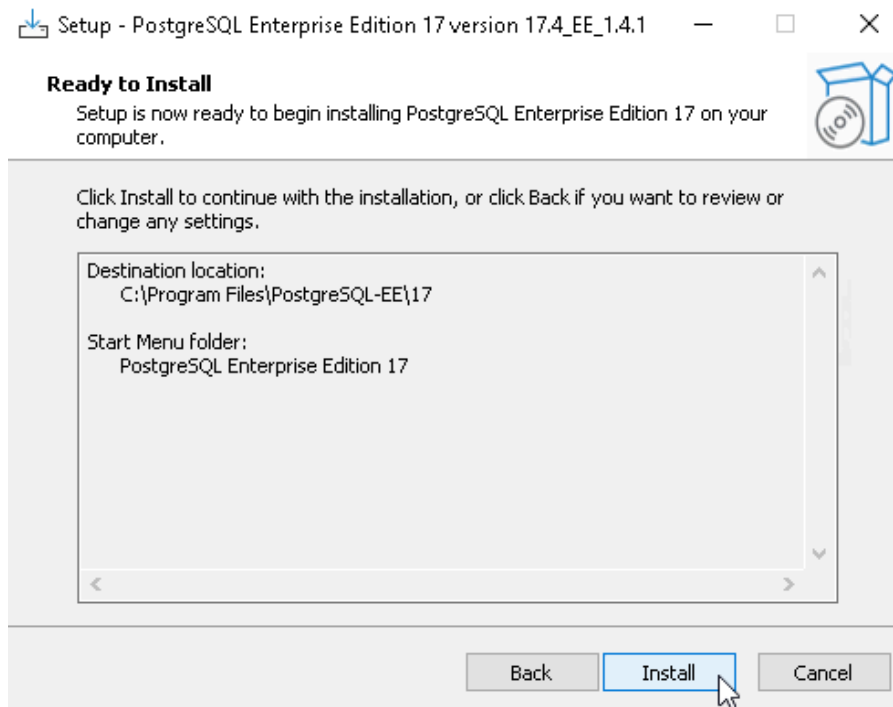
The next step is to choose the location where the PostgreSQL data directory (or directories for multiple instances on this machine) will be created:



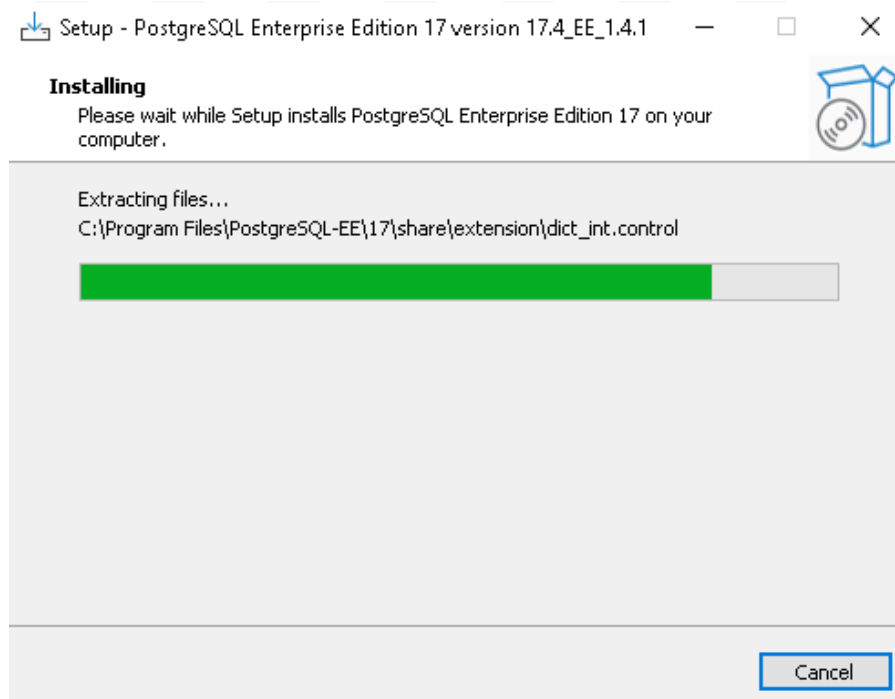
Once you have selected the desired installation target, we can move on and define the desired menu entries so that you can **easily access PGEE** from your desktop environment.



After that, we are ready to run the installer:



Simply press the install button and watch the installer do its magic.



Once all the binaries are ready, the installer will show us a simple screen that contains the output of `initdb`.

```

Administrator: Windows PowerShell

Directory: C:\ProgramData

Mode                LastWriteTime         Length Name
-----
d-----          3/11/2025   4:04 PM                PostgreSQL-EE
Creating data directory C:\ProgramData\PostgreSQL-EE\17-main ...
The files belonging to this database system will be owned by user "cybertec".
This user must also own the server process.

The database cluster will be initialized with locale "English_Austria.1252".
The default database encoding has accordingly been set to "WIN1252".
The default text search configuration will be set to "english".

Data page checksums are disabled.
Data encryption is enabled.

creating directory C:/ProgramData/PostgreSQL-EE/17-main ... ok
creating subdirectories ... ok
selecting dynamic shared memory implementation ... windows
selecting default "max_connections" ... 100
selecting default "shared_buffers" ... 128MB
selecting default time zone ... Europe/Berlin
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
syncing data to disk ... ok

initdb: warning: enabling "trust" authentication for local connections
initdb: hint: You can change this by editing pg_hba.conf or using the option -A, or --auth-local and --auth-host,
the next time you run initdb.

Success. You can now start the database server using:

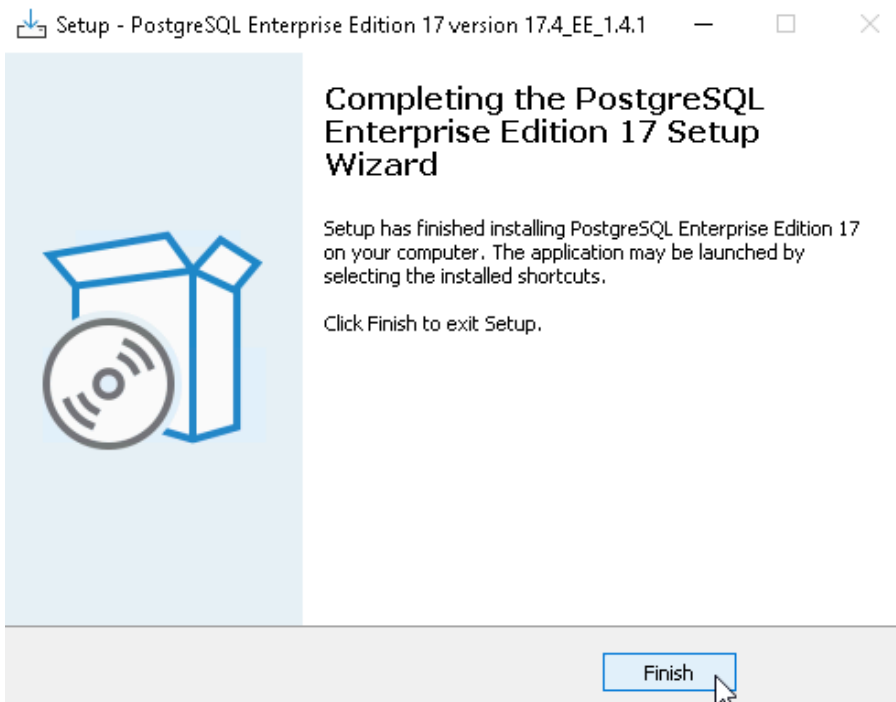
    A"CA:\Program Files\PostgreSQL-EE\17\bin\pg_ctl" -D "C:\ProgramData\PostgreSQL-EE\17-main" -l logfile start

Creating service PostgreSQL Enterprise Edition 17 main ...
Starting service PostgreSQL Enterprise Edition 17 main ...
WARNING: waiting for service 'PostgreSQL Enterprise Edition 17 main (PostgreSQL Enterprise Edition 17 main)' to
start...

Press Enter to finish the installation.
    
```

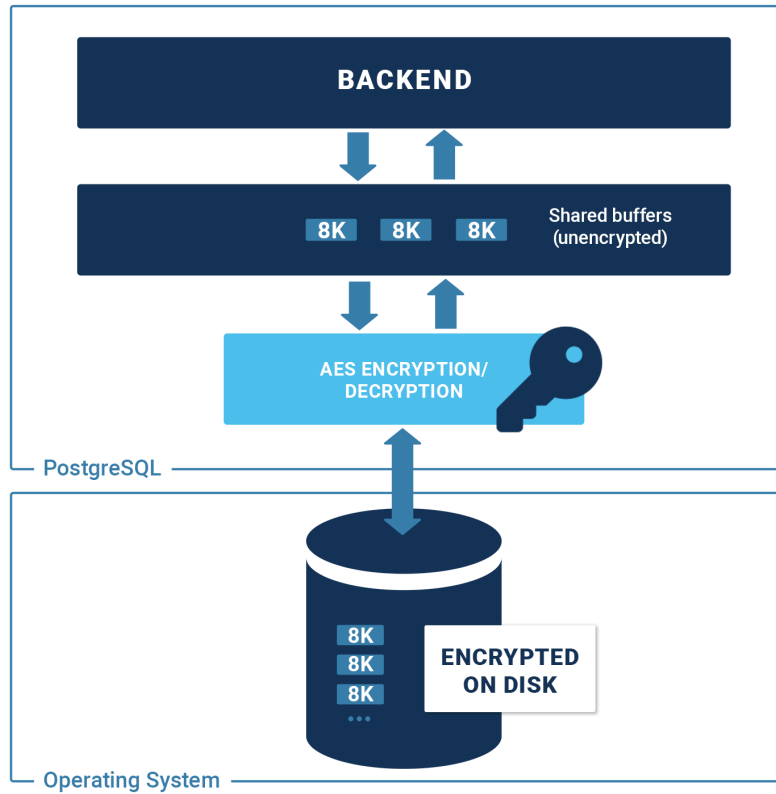
Hit **Enter** to close the window.

Congratulations. The installation has been completed successfully and you can now fully use your brand new database deployment.



ENCRYPTION KEY HANDLING IN WINDOWS

PGEE supports full data at rest encryption (TDE). Therefore, key management is important:



The installer generates a random encryption key and creates a database cluster using said key. The data directory is located in `AppData\Local\PostgreSQL-EE\` of the user running the installer.

Your installation is therefore fully ready to encrypt your data. Information is safe from the moment PGEE is installed onwards.

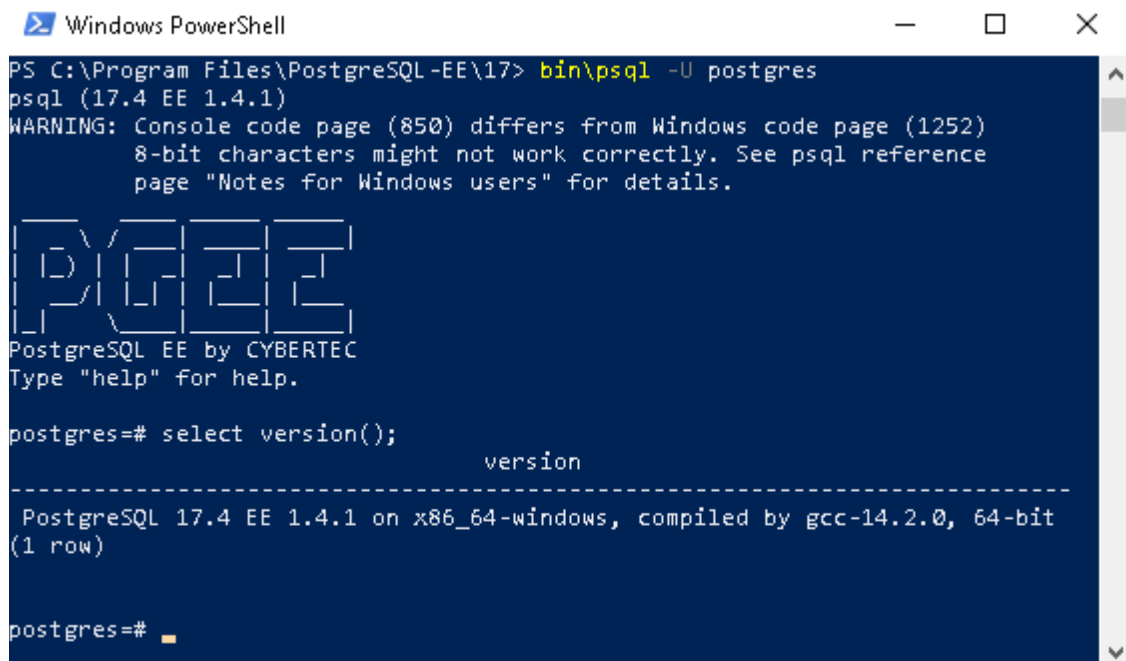
RUNNING PGEE

After installation, it is time to connect to PGEE. The **default port is 5432** (standard port of PostgreSQL / PGEE).

The two most common methods to connect are:

- **psql**: PostgreSQL command line utility
- **pgAdmin4**: A web interface for PostgreSQL / PGEE

To run `psql` you simply use a Windows command interface and connect easily:



```
Windows PowerShell
PS C:\Program Files\PostgreSQL-EE\17> bin\psql -U postgres
psql (17.4 EE 1.4.1)
WARNING: Console code page (850) differs from Windows code page (1252)
         8-bit characters might not work correctly. See psql reference
         page "Notes for Windows users" for details.

PostgreSQL EE by CYBERTEC
Type "help" for help.

postgres=# select version();
              version
-----
 PostgreSQL 17.4 EE 1.4.1 on x86_64-windows, compiled by gcc-14.2.0, 64-bit
(1 row)

postgres=#
```

SUPPORT AND GETTING HELP

REQUESTING HELP

Thank you for using CYBERTEC PGEE and **thank you for being our customer.** Your feedback is important to us and we are looking forward to hearing from you. If you are facing any issues or technical questions, please reach out to our technical team and make use of our 24x7 support and ticketing system.

CYBERTEC Support Portal

Our consultants are eager to help you with any technical and business related issues.



Our consultants are eager to help you with any technical and business related issues.

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If you need further information

For more information, or if you have any questions about our range of products, tools and services, contact us. There's no obligation—send us an inquiry via email or give us a call.



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VERSION HISTORY

Version	Effective Date	Description	Author	Reviewed By	Approved By
1.0	2025-03-11	Installation for PGEE	Hans-Jürgen Schönig	Christoph Berg	
1.1	2025-03-12	Proofreading	Sarah Gruber	Scarlett Riggs	Scarlett Riggs
1.2	2025-03-13	Layout Check	Leonie Berndt	Scarlett Riggs	Andrea Schantl-Weiß
1.3	2025-11-22	Removed "17" for all instances	Christoph Berg	Cornelia Biacsics	Bilal Ibrar