Gridscale X™ PSS®E Copilot Product Sheet (Documentation)

Gridscale X™ PSS®E Copilot is an AI assistant designed to support the use of PSS®E, helping transmission planners work faster and more confidently. PSS®E Copilot processes user queries and provides PSS®E application guidance, planning workflow support, ready-to-run Python scripts, and optionally engineering insights based on simulation results.

Documentation

General	
Value Proposition	Siemens Gridscale X™ PSS®E Copilot supports PSS®E users in the following areas: • Accelerated planning workflows through guided studies and automation in Gridscale X™ PSS®E Copilot, reducing manual effort and repetitive scripting in PSS®E. • Faster onboarding and broader usability by enabling planners to interact with PSS®E in natural language and receive ready-to-run Python scripts aligned with PSS®E APIs. • High confidence and trusted results based on Siemens' domain expertise and proven PSS®E simulation models, without changing underlying physics or workflows. • Scalable expert knowledge across teams by embedding best-practice PSS®E planning know-how directly into Gridscale X™ PSS®E Copilot for daily use. • Built on trusted PSS®E models and deep domain expertise. Expect faster study cycles, easier onboarding, and higher productivity across planning teams.
Prerequisites	
Operating systems and web browsers for users	Gridscale X™ PSS®E Copilot is a cloud service with an on-premises installed frontend for use on computers or notebooks. Gridscale X™ PSS®E Copilot

	requires Windows 10 (64-bit) or later, with hardware requirements meeting or exceeding 4 GB RAM and 1.5 GB of disk space.
Software	A separate valid subscription to the PSS®E on-premise version 35, 36 or 37 including respective minor versions or above is required. PSS®E Copilot should be installed in the same network as PSS®E (PSS®E should be discoverable via python APIs).
Internet Access	Internet access is necessary to allow PSS E Copilot to communicate to the secure Siemens cloud backend.
Installer Access	Access to the installer of Siemens Gridscale X™ PSS®E Copilot is given via the Grid Simulation Software Download Site.
Licensing Model	PSS®E Copilot is currently offered as a pilot SaaS solution with a locally installed frontend and a Siemens cloud-based backend. User access is managed via secure Siemens identity and access management. The final licensing model is still under definition; currently it follows a user-based cloud access approach rather than classical CodeMeter licensing.

Description & functionalities

Gridscale X™ PSS®E Copilot Start-up	Gridscale X™ PSS®E Copilot is accessed as a dedicated Windows application and opens in parallel to PSS®E on-premise software.
Gridscale X™ PSS®E Copilot Frontend and cloud service	Gridscale X™ PSS®E Copilot is an optional SaaS add-on to the on-premise PSS®E offering. It is initiated locally via a frontend application and leverages Siemens cloud technologies and a Large Language Model (LLM) in the backend. The Gridscale X™ PSS®E Copilot user interface enables users to interact with the solution using natural language. User queries are processed in the backend, enriched with Siemens-proprietary application and domain knowledge, and responses are returned to the user. These responses include natural-language explanations, workflow recommendations, and ready-to-run Python scripts. Users can copy the generated scripts for use in their preferred code editor or execute them directly within the PSS®E Copilot application. The scripts leverage PSS®E on-premise APIs and are executed on-premise using the PSS®E desktop application. Once simulation results are available in the form of the PSS®E output feed, users may, upon request and in accordance with their organization's IT guidelines and regulatory requirements, submit the output feed for further processing. The PSS®E Copilot analyzes this feed to generate engineering insights. With the exception of processing a submitted feed, no customer-specific PSS®E files are uploaded to the Siemens cloud when using Copilot functionalities. Only direct user inputs and, optionally, the PSS®E simulation feed are transmitted and processed by Siemens cloud systems. .
Use restriction	You acknowledge that outputs in Siemens Gridscale X™ PSS®E Copilot are generated by an AI system. Customer must inform all users of PSS®E Copilot that AI-generated output may be inaccurate, incomplete, or misleading, and that output must be independently verified before use or reliance. Where AI-generated output is used to provide advice, recommendations, or decisions that

	directly affect individuals, a qualified professional must review the output prior to dissemination or finalization. AI-generated content should not be relied upon as a substitute for professional advice. Assumptions and simulations made by Gridscale X™ PSS®E Copilot are based on experience and the data or other information provided by the Customer and results may not fully correspond to the real-world behavior. The interpretation, implementation and utilization of any output created by Gridscale X™ PSS®E Copilot is the sole responsibility of the Customer. Siemens does not assume any liability, warranty, or guarantee for the feasibility or usability of any outputs, nor for actions or omissions based upon. You will not use the Siemens Gridscale X™ PSS®E Copilot in any way to create a product that provides competing functionality to the Siemens PSS®E program. You shall not use, nor permit any third party to use, the Siemens Gridscale X™ PSS®E Copilot or any portion thereof to train, fine-tune, or otherwise develop or permanently or temporarily improve any artificial intelligence systems not provided by us, including but not limited to large language models, machine learning algorithms, or other self-learning technologies (“Restricted AI Use”) . This restriction applies regardless of whether such use is for internal, commercial, academic, or research purposes.
Roles and authentication services	
Authentication and Access	This application uses the Siemens ID digital identity system for authentication. Therefore, a personal Siemens ID user account needs to be created before the application can be used. Registration on Siemens ID will be performed automatically for Gridscale X™ PSS®E Copilot with email addresses and names provided at ordering. Siemens ID accounts itself can be managed via Siemens ID self-service (https://uss.login.siemens.com). Terms and conditions for Siemens ID are available on https://id.login.siemens.com. There will be a Siemens Internal technical admin defined for managing customer users, i.e. adding users up to the allowed number. Gen AI Tokens are reset at 12:00am on the first day of the next month.
Cybersecurity and maintenance	
Cybersecurity	Siemens’ cloud infrastructure is operated under a cybersecurity governance model aligned with ISO 27001 and providers of Siemens’ cloud infrastructure are required to (i) implement and maintain a cybersecurity program that complies, inter alia, with ISO 27001 or a successor standard (if any) that is substantially equivalent to ISO 27001 and that is designed to provide at least the same risk management and security controls as evidenced by the certification of the providers under ISO 27001 and (ii) have the adequacy of their cybersecurity measures annually verified by independent auditors. This Section contains Siemens’ entire obligation regarding the security of the cloud infrastructure for the Cloud Services.

Certificates	Cybersecurity certificates like ISO 27001 as well as other documents like STAR Registry Listings, can be found on Siemens' website (www.siemens.com/system-certificates) or external websites like https://cloudsecurityalliance.org/star/registry/siemens-ag. Cybersecurity certificates can also be obtained upon request.
Securities Advisories	Siemens investigates reports of security issues and publishes Security Advisories for validated security vulnerabilities that directly involve Siemens products and require applying an update, performing an upgrade, or other customer action. As part of the ongoing effort to help managing security risks and help keep systems protected, Siemens discloses the required information necessary to assess the impact of a security vulnerability under www.siemens.com/cert.

Entitlement Metrics and Limitations

Entitlement Metrics	The subscription to Gridscale X™ PSS®E Copilot and the resulting fee is determined by the following entitlements: • Number of users • Number of Gen AI tokens
Subscription Packages	The PSS®E modules that can be leveraged using Gridscale X™ PSS®E Copilot are listed together with current and future releases in the table below. The descriptions of each PSS®E Modules can be found in the Modules section of the PSS®E website: https://www.siemens.com/pss-e

Release Package	Included Modules
Available on a limited pilot basis	• Power Flow • Contingency Analysis • Voltage Stability (PV/QV) Analysis • Python Scripting • Transmission Reliability Assessment • Short Circuit Analysis • Optimal Power Flow
Available as a technology preview.	• Dynamic Analysis • Harmonics • Geomagnetically Induced Currents • Time Series Power Flow • Advanced Contingency Analysis and RAS • Advanced Linear Analysis • Line Properties
Not included in the pilot	• IPLAN Scripting

Users	All Gridscale X™ PSS®E Copilot pilot offerings will be entitled to a maximum of 10 users. The on-premises PSS®E license and entitlements are managed in a separate set of Terms and Conditions.
Gen AI tokens	The usage of Gridscale X™ PSS®E Copilot by the Customer is measured by the consumption of Gen AI tokens. These tokens are used to run Gen AI-based query processing and output generation on the cloud. These are monthly tokens that are reset on the 1st of each month. Not consumed Tokens are not carried over to the following month.

Add On Gen AI Tokens	Additional Gridscale X™ PSS®E Copilot tokens can be purchased at any time during the subscription period. Tokens are added to the existing monthly allocation every month for the remainder of the subscription term.
Limits	The limits of Gridscale X™ PSS®E Copilot correspond with the valid PSS®E on-premise license because it is an add-on to it. The PSS®E on-premise license has its own terms and conditions.

Payment Terms

General	The fee for the ordered Subscription package is invoiced annually in advance. Additional fees for add-ons will be calculated on a daily basis and are fully invoiced immediately after activation of the add-on. In the case of three-year packages paid upfront, the fee for the booked subscription is invoiced three years in advance or invoiced annually as stated in the Order. If nothing is stated in the Order the entire fee will be invoiced in advance.
No-Charge and Trial Offerings	The Subscription Term for No-Charge and Trial Offerings is limited to 1 (one) month and will automatically terminate after expiry of this one-month period unless a different date is agreed in writing by both parties.

Support and service levels

Agreed Service Level	Commercially reasonable efforts will be used to provide at least 98% Monthly Uptime Percentage. “Monthly Uptime Percentage” means the percentage of the Service being available on average during a calendar month, based on internal availability measurements. Monthly Uptime Percentage excludes downtime resulting directly or indirectly from any SLA Exclusions. The Service is defined to be available if at least 4 out of 5 times within a 5-minute interval the User interface is accessible at the exit of the wide area network of the data center used by us.
Service level exclusions (“SLA Exclusions”).	Service level commitments exclude downtime resulting directly or indirectly from any SLA Exclusions. “SLA Exclusions” means unavailability or any other performance issue causing downtime of the Cloud Services as a result of: • scheduled maintenance, planned deployments or infrastructure updates; (i) downtime for which at least 24 hours prior notice is provided to Customer; • factors outside Siemens’ reasonable control; • Downtime, Suspension and Recovery time caused due to third party service providers (ii) actions or inactions of Customer or any third party; (iii) any equipment, software or other technology not provided by Siemens; or (iv) suspension or termination of the Cloud Services in accordance with the Agreement
Remedies for not meeting service level.	Customer must submit to Siemens a support case within 30 days after the end of each relevant Month in which Siemens did not meet the Monthly Availability. Any claims not submitted by Customer within the specified time period may be denied by Siemens, and Siemens will have no further obligation to Customer

	with respect to such failure to meet the Monthly Availability. If Siemens is unable to meet the Monthly Availability for Cloud Services three or more times in a calendar year, then Customer will have the right to terminate the Order for the non-conforming Cloud Services. In the event of such termination, Siemens will refund any prepaid fees for the terminated Cloud Services on a pro-rata basis for the remainder of the Subscription Term for that Cloud Services. The remedies provided in this section will be Customer's sole and exclusive remedies with respect to availability of the Cloud Services.
Support	
Contact	Customer may contact Siemens' Technical Support organization as primary point of contact for support in relation to the Cloud Services. Unless otherwise directed by Siemens, all Support inquiries must be made through: https://siemens-pss.freshdesk.com (Customer Care Portal)
Scope of Technical Support	Subject to availability Siemens offers Customer support services via a service desk Monday to Friday, 9:00 am to 6:00pm (EST) on Business Days, excluding national and local holidays in USA. Siemens will respond to Customer's support inquiry at Siemens' sole discretion via e-mail, hotline or remotely as described in this clause. Customer must ensure remote access to its local networks for e.g. remote diagnoses, upon request by Siemens. The following types of incidents are excluded from the scope of support for Cloud Services, but Customer may revert such requests to the sales team(s) for resolution: • incidents regarding a release, version, and/or functionalities of a service developed or configured specifically for Customer (unless otherwise expressly set forth in an Order); • incidents ascribed to a consulting or training request ("how-to"). These are covered by the online user documentation; • incidents ascribed to a custom development request. • Functional enhancements, upgrades, or software licenses to non-Gridscale X™ PSS®E Copilot products • Emergency or after-hours works The Customer Support is available in English. To receive support services hereunder, Customer shall reasonably cooperate with Siemens' Support to resolve support incidents and shall have adequate technical expertise and knowledge of its Cloud Services configuration to provide relevant information to enable Siemens' Support to reproduce, troubleshoot and resolve the experienced error such as, by way of an example, instance name, username, form name and screenshot. Such support services may require that Siemens gets access to Customer Content in which case, Customer is required to issue temporary Credentials to Siemens to permit that access. Additionally, Siemens may provide an emergency phone number for major system incidents for customers upon request.

Export control regulations

AL	N
ECCN	EAR99