

Building Management Software

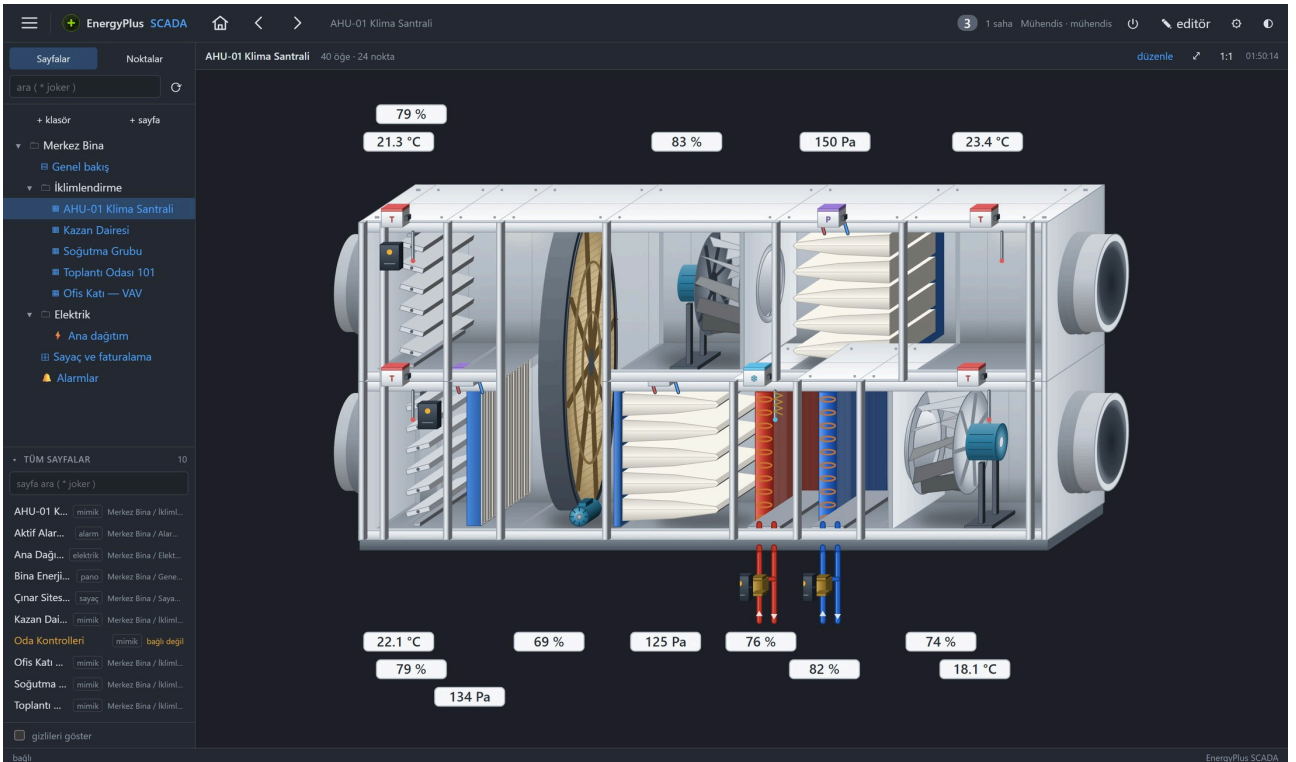
EnergyPlus SCADA · Worker · Tags Editor

EPL-SSUP

Installation Guide · V1.0

26.10.2026

SCADA 1.42.3 · Worker 4.12.0 · Tags Editor 2.19.0



SAFETY WARNINGS

Read this guide before you start. Follow the installation, licensing and first-setup sections in order. The software can start and stop building systems remotely, so installation and permissions must be handled only by authorised technical staff.

- ⚠ The installers require administrator rights. Obtain the packages only from Energyplus.
- ⚠ Change the default administrator password that SCADA asks for at first sign-in immediately.
- ⚠ Give permission to write commands to site only to users who need it; every command is recorded in the audit trail.
- ⚠ If Worker or SCADA is exposed to the network, use TLS (HTTPS) and keep the Worker API key secret.
- ⚠ Turn on scheduled backups. If you encrypt backups with a password, do not lose it; the backup cannot be opened without it.
- ⚠ Do not set the server clock back; license validation detects a clock that was turned back.

Using the software contrary to the items above may cause unintended plant operation, data loss or unauthorised access. Energyplus Teknoloji accepts no responsibility for such situations caused by the user.

SYMBOLS

SYMBOL DESCRIPTIONS

⚠	Points that cause problems if skipped
!	Important information
↻	In settings: the change takes effect when the service restarts
text	Value, file path or command to type

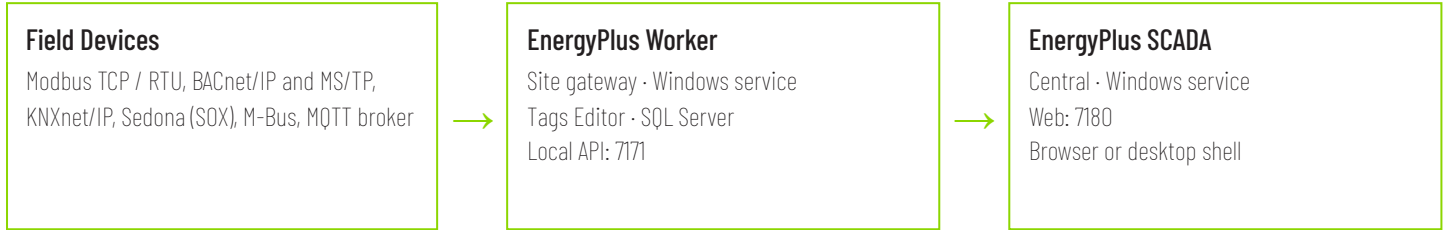
The user interface is in Turkish. This guide gives the Turkish label as it appears on screen, followed by its English meaning, for example **Ayarlar** (Settings).

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1. DESCRIPTION

EPL-SSUP is a software suite of two installation packages for monitoring and controlling building technical systems. **EnergyPlus Worker** runs on the site gateway: it reads devices, writes commands and stores history and alarms in the database. **Tags Editor** is installed with Worker and prepares the list of points to read. **EnergyPlus SCADA** is the operator interface; it connects to one or more Workers (sites).

Typical Installation



Worker and SCADA can also be installed on the same computer. With several sites, install one Worker per site and one SCADA centrally.

1.1 Package Contents

COMPONENTS	
EnergyPlus Worker 4.12.0	Installer <code>EnergyPlusWorkerMonitor-Setup-4.12.0.0.exe</code> ; Windows service <code>EnergyPlusWorkerService</code> and monitoring interface
Tags Editor 2.19.0	Installed with the Worker package; point list editor
SQL Server 2022 Express	Optional in the Worker installer; embedded, no internet needed
EnergyPlus SCADA 1.42.3	Installer <code>EnergyPlusScada-Setup-1.42.3.0.exe</code> ; Windows service <code>EnergyPlusScadaService</code> and desktop shell
License	Machine-bound license file <code>energyplus.license</code> ; both products use the same file

1.2 Installation Order

1. Install Worker on the site gateway (with SQL Server Express if needed) — Section 3.
2. Install the license — Section 4.
3. Set up the database and protocols in Worker — Section 5.
4. Prepare the point list with Tags Editor — Section 6.
5. Install SCADA centrally and connect the site — Sections 7 and 8.

2. SYSTEM REQUIREMENTS

SOFTWARE

Operating System	Windows 10 / 11 or Windows Server 2016 and later, 64-bit
Runtime	.NET embedded in the package; no separate installation
SCADA Desktop Shell	Microsoft Edge WebView2 Runtime (installed by the setup from the internet if missing)
Client	A current web browser (Edge, Chrome) or the desktop shell
Database	Microsoft SQL Server; SQL Server 2022 Express optional with the installer
Installation	Administrator rights

HARDWARE

Installation	Minimum	Recommended (comfortable)
Worker + SQL Express (site gateway, up to ~2,000 points)	2 cores x64 · 4 GB RAM · 40 GB SSD	4 cores · 8 GB RAM · 128 GB SSD
SCADA server (browser clients separate)	2 cores · 4 GB RAM · 20 GB free disk	4 cores · 8 GB RAM · 64 GB SSD
Single computer: Worker + SCADA + SQL (small/medium building)	4 cores · 8 GB RAM · 128 GB SSD	4-6 cores · 16 GB RAM · 256 GB SSD
Large site (10,000-20,000 points)	8 cores · 16 GB RAM · 256 GB SSD	8+ cores · 32 GB RAM · 512 GB SSD, SQL Server Standard
Panel / operator PC (shell)	2 cores · 4 GB RAM · 1920×1080	4 cores · 8 GB RAM · 1920×1080 or higher, touch

Network: 100 Mbit Ethernet, static IP on the field network. SQL Server Express limits the database to 10 GB; for long history or more than 5,000 points SQL Server Standard is recommended. Disk: SSD is not mandatory but makes a clear difference for history writes and backups.

! WebView2: the SCADA desktop shell needs the Microsoft Edge WebView2 Runtime. If it is missing, the SCADA installer installs it from the internet. Without internet, install Microsoft's "Evergreen Standalone Installer" manually; meanwhile SCADA can be used in a browser.

2.1 Network and Ports

DEFAULT PORTS

TCP 7180	SCADA web server (configurable)
TCP 7171	Worker local API — SCADA connects here (configurable)
TCP 7443	Worker and SCADA HTTPS (when TLS is on)
UDP 47808	BACnet/IP
UDP 1876	Sedona SOX
UDP 3671	KNXnet/IP (routing, multicast 224.0.23.12)
TCP 1433	SQL Server (fixed by the installer)
TCP 1883 / 8883	MQTT broker (outbound; 8883 with TLS)

The installers add firewall rules bound to the program (the rule stays valid even if the port setting changes). The SQL Server rule is bound to TCP 1433.

3. INSTALLING WORKER

1. Run **EnergyPlusWorkerMonitor-Setup-4.12.0.0.exe** as administrator. The package is unsigned, so Windows SmartScreen may warn: "More info" > "Run anyway".
2. Confirm the folder (default **C:\Program Files\EnergyPlus Worker Monitor**). The installer is available in Turkish and English.
3. Choose the tasks (table below). If there is no SQL Server on site, tick "SQL Server 2022 Express kur".
4. At the end, open it with "Arayuzu şimdi başlat" (start the interface now). If SQL was selected, the result window shows server, database and user; the connection is written to the Worker settings automatically.

INSTALLER TASKS

Windows servisi olarak kur	Install as a Windows service — on by default. Starts automatically and restarts itself after a failure.
Worker desktop shortcut	On by default
Tags Editor desktop shortcut	Off by default (always in the Start menu)
Firewall rules	On by default: BACnet/IP, Sedona SOX and local API
SQL Server 2022 Express kur	Install SQL Server Express — off by default. Leave it off if the site already has a SQL Server.

3.1 SQL Server Express

- Instance **SQLEXPRESS**, database **energyplus**, user **sa**, fixed TCP port **1433**.
- If a SQL Server instance already exists, its installation is skipped; the TCP, database and firewall steps still run.
- If SQL cannot be installed, Worker installation still completes. The reason is shown in the result window and in **%TEMP%\energyplus-sql-kurulum.log**.

! If you installed SQL Server yourself, enter the connection in Worker as in Section 5.1. Worker creates the database and tables on first connection.

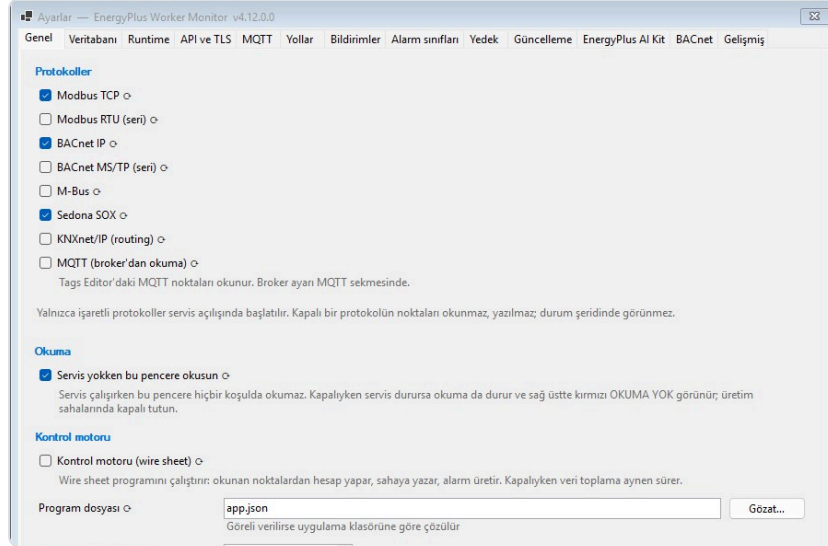


Figure 3.1 – Worker settings window, Genel (General) tab

4. LICENSE

The license is bound to the machine. Every computer has a **machine code** (`Win-XXXX-XXXX-XXXX-XXXX`) and the license is issued for that code. If Windows is reinstalled the code changes and a new license is needed. Worker and SCADA on the same computer share one license file.

4.1 Worker

1. Without a license the Worker interface opens the **Lisans** (License) window. The Start menu item "Makine lisans kodu" (machine license code) also shows the code and copies it to the clipboard.
2. Send the machine code to Energyplus.
3. When the license is ready: with internet use **Sunucudan İndir** (download from server); with a file use **Dosyadan Yükle...** (load from file); as text use **Panodan Yükle** (load from clipboard).
4. After "Lisans kuruldu" (license installed) the application restarts; restart the service too if it is installed.

4.2 SCADA

1. Without a license SCADA shows the "SCADA lisansı yok" (no SCADA license) screen and the machine code on every page.
2. Select the license with **Dosyadan yükle...** (from file) or **Panodan yapıştır** (paste) and press **Kur** (install).
3. When licensed, remaining days, features and points used per protocol appear in **Ayarlar > Lisans**. A warning starts 30 days before expiry.

LICENSE FILE

File Name	energyplus.license (saved under this name whatever it arrives as)
Shared Location	%ProgramData%\EnergyPlus\security\
Features	modbus, bacnet, mbus, sox, knx, mqtt, scada, wiresheet
On Expiry	Worker stops reading; SCADA does not open until a new license is installed

! If a license is rejected, the message gives the reason, for example "başka bir makineye ait" (belongs to another machine), "dijital imzası geçersiz" (invalid signature) or "bu ürün için özellik içermiyor" (no feature for this product). Check the machine code and send it to Energyplus again.

5. WORKER FIRST SETUP

Open **Ayarlar** (Settings) in the Worker interface. Fields marked  take effect when the service restarts; when you press **Kaydet** (Save), Worker offers to restart.

5.1 Database (Veritabanı)

- **Sunucu** (server): `.\SQLEXPRESS` for Express on the same machine;
`192.168.1.10,1433` for a server on the network
- **Veritabanı** (database): `energyplus`
- Windows authentication, or user name and password
- “Sunucu sertifikasına güven” (trust server certificate) for servers with self-signed certificates
- Verify with **Bağlantıyı Test Et** (test connection) and save

Readings are not lost while the database is unreachable: Worker buffers them on disk and writes them when the connection returns.

5.2 Protocols

On the **Genel** (General) tab tick the protocols in use: Modbus TCP, Modbus RTU (serial), BACnet IP, BACnet MS/TP (serial), M-Bus, Sedona SOX, KNXnet/IP (routing), MQTT (read from broker). Protocols not in the license are not read. The BACnet UDP port is on the BACnet tab (default 47808); KNX settings are on the **Gelişmiş** (Advanced) tab.

5.3 SCADA Access (Local API)

- On the **API ve TLS** tab, “Anlık değerleri dışarıya aç” (expose live values) must be on (default). Port 7171.
- Authentication mode “Ağdan gelen istekler anahtar ister” (network requests need a key — recommended). Copy the **API key** with **Panoya kopyala**; it is needed when adding the site in SCADA (Section 8).
- **For a SCADA on another computer** tick “Ağdan erişime aç” (open to the network) and save; Worker restarts. When off (default) only a SCADA on the same computer can connect. Turning on HTTPS as well is recommended (Section 9.1).

6. TAGS EDITOR – POINT LIST

Tags Editor opens from the Start menu. Each protocol's points are kept in their own file; Worker reads these files at start-up.

	Id	Tag Adı	Açıklama	Klasör	Alarm	Alarm Tipi	Yüksek Limit	Alçak Limit	Alarm Durumu	Alarm Değerleri	Oku Bantı	Geçirme (sn)	Onem	Alarm Sınıfı	Alarm Mesajı	IP	Protokol	Port	Cihaz Id	Nesne No	Nesne Tipi	Çarpı
1	AHU01_Ufreme_Sicaklik	AHU-01 üfreme sıcaklığı	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	analog-input	
2	AHU01_Donus_Sicaklik	AHU-01 dönüş sıcaklığı	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	2	analog-input	
3	AHU01_Dokhava_Sicaklik	AHU-01 dğ hava sıcaklığı	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	3	analog-input	
4	AHU01_Filre_Fark	AHU-01 filtre fark basıncı	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	4	analog-input	
5	AHU01_Isitma_Vana	AHU-01 ısıtma vanası	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	analog-output	
6	AHU01_Sogutma_Vana	AHU-01 soğutma vanası	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	2	analog-output	
7	AHU01_Damper_Konum	AHU-01 taze hava damperi	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	3	analog-output	
8	AHU01_Fan_Hiz	AHU-01 besleme fan hızı	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	4	analog-output	
9	AHU01_Ufreme_Ayar	AHU-01 üfreme ayar değeri	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	analog-value	
10	AHU01_Fan_Calima	AHU-01 besleme fan çalışıyor	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	binary-input	
11	AHU01_Fan_Ariza	AHU-01 besleme fan arızası	Merkez Bina/AHU-01	☒	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	2	binary-input	
12	AHU01_Donma_Alarm	AHU-01 donma alarmı	Merkez Bina/AHU-01	☒	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	3	binary-input	
13	AHU01_Fan_Komut	AHU-01 besleme fan komutu	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	binary-output	
14	AHU01_Program	AHU-01 haftalık program	Merkez Bina/AHU-01	☐	Yok				Kullanılmıyor		0	10	Uyari	defaultalarmclass1		192.168.10.21	UDP	47808	2001	1	schedule	

Dosya

Values List

Save

Import (Excel)

Excel'e Aktar

Bos Sablon Indir

Satır

New Row

Delete Selected Rows

Protokol

☐ Modbus TCP

☒ Bacnet IP

☐ Modbus RTU

☐ Bacnet MS/TP

☐ M-Bus

☐ Sedona SOX

☐ Sedona Cihazları

☐ KNX IP

☐ MQTT

☐ Seri Portlar

Cihaz Tara

Figure 6.1 – Tags Editor, BACnet IP point grid

1. Select the protocol in the **Protokol** list on the right.
2. Open the existing file with **Values List** (answer "Hayır" (No) to open the file Worker uses).
3. Add points: by hand (**New Row**), from Excel (**Import (Excel)**), **Bos Sablon Indir** (downloads an empty template) or by discovery (**Cihaz Tara** scan, **EDE'den Aktar**, **ETS'ten Aktar**).
4. Set alarms, thresholds, unit, scaling and history logging on each row.
5. Save with **Save** (a backup of the old file is kept). Restart the Worker service so new points are read.

PROTOCOL AND FILE

Modbus TCP

Bacnet IP

Modbus RTU

Bacnet MS/TP

M-Bus

Sedona SOX

Sedona Cihazları

KNX IP

MQTT

Seri Portlar

modbustags.json · Cihaz Tara (scan)

bacnettags.json · scan, EDE import

modbusrtutags.json · scan (define Seri Portlar first)

bacnetmstptags.json · scan, EDE import (define Seri Portlar first)

mbustags.json · scan

soxtags.json · Cihaza Gözet (browse device; define Sedona Cihazları first)

soxdevices.json · Cihaz Ara (find devices)

knxtags.json · ETS import

mqtttags.json · Broker'dan Bul (find on broker: listens to topics and suggests points)

serialports.json · serial lines for RTU and MS/TP

Tags Editor refuses to save one protocol's rows into another protocol's file.

6.1 MQTT

Worker connects to an MQTT broker and uses that one connection for three jobs: reading points from broker topics, publishing other protocols' values to the broker, and optionally accepting write commands from the broker. There is one broker setting: Worker > Ayarlar > MQTT. The license needs the `mqtt` feature.

Broker

1. Tick "MQTT açık" (MQTT on); broker address, port (1883 plain, 8883 TLS), TLS if required, user and password.
2. Verify with **Bağlantıyı Test Et** (test connection) and save; Worker restarts.

Reading from the broker

1. On the **Genel** tab tick **MQTT (broker'dan okuma)**.
2. In Tags Editor select the **MQTT** protocol. **Broker'dan Bul** listens for a while and lists every topic, and every numeric field of JSON messages, as a row; ticked rows are added.
3. To add by hand: **Konu** (topic, e.g. `building/floor1/room101/sensor`) and, for JSON, **JSON Yolu** (path, e.g. `temperature`, `data.p_total`). Plain numbers, true/false and ON/OFF are recognised.
4. For writable points set **Yazma Konusu** (write topic) and optionally **Yazma Bicimi** (format: `{v}` value, `{o}` ON/OFF, e.g. `{"value": {v}}`).
5. With "Zaman Asimi (sn)" (timeout) set, a point goes stale when no message arrives in time.

Figure 6.2 – Worker, MQTT tab

Publishing and commands

TOPICS

Value	<code>{root}/{site}/{folder}/{point}</code> – JSON: <code>{"v":21.3,"q":"OK","t":...,"u":"°C"}</code>
Command	<code>{root}/{site}/yaz/{folder}/{point}</code> – 21.5, true/false or <code>{"v":21.5}</code>
Command result	<code>{root}/{site}/_sonuc</code>
Status	<code>{root}/{site}/_durum</code> – cevrimici / cevrimdisi (online/offline; the broker publishes it if Worker drops)

- Only points ticked **MQTT Yayınla** in Tags Editor are published (or tick "publish all points"). The rate follows the point's SQL logging settings: on change, with dead band, or by interval.
- Accepting commands is **off** by default; even when on, only "Yazılabilir" (writable) points are written. Before turning it on, restrict who can publish to `.../yaz/#` on the broker.
- While the broker is unreachable messages are buffered (10,000 by default); history is kept in SQL separately.

7. INSTALLING SCADA

1. Run **EnergyPlusScada-Setup-1.42.3.0.exe** as administrator (default folder **C:\Program Files\EnergyPlus SCADA**).
2. Choose the tasks: Windows service (on), desktop shortcut (on), firewall rule (on), and for panel PCs "Windows acilisinda kabugu baslat" (start the shell at Windows start-up – off).
3. The installer updates the symbol library, installs WebView2 if needed and starts the service. Open the shell with "SCADAYi simdi baslat".

AFTER INSTALLATION

Service	EnergyPlusScadaService – starts automatically, restarts after a failure
Address	http://127.0.0.1:7180/ – also opens in a browser on the same machine
Settings and Pages	%ProgramData%\EnergyPlus SCADA\
On Update	Pages, users and your own symbols are kept; the product library is refreshed

7.1 First Sign-in

1. Sign in with user name **admin** and password **admin** .
2. In the "Parola deđiřtirin" (change password) window type the new password twice (at least 4 characters, different from the old one). No screen opens until the password is changed.
3. Create operator and engineer accounts in **Ayarlar > Kullanıcılar** (users) and decide who sees and writes which page in **Ayarlar > Sayfa yetkileri** (page permissions).

ROLES

Operatör (Operator)	Views pages, writes commands to permitted points
Mühendis (Engineer)	As Operator, plus edits weekly schedules
Yönetici (Administrator)	As Engineer, plus edits pages and manages users and settings

7.2 Access from Other Computers

By default SCADA is reachable only from its own machine. For network PCs and tablets set **Ayarlar > API ve TLS > "dinlenen adres"** (listen address) to **http://+:7180/** , if needed run **netsh http add urlacl url=http://+:7180/ user=Everyone** once in an administrator command prompt, and restart the service. Client address: **http://<server-ip>:7180/**

Kiosk: in **Ayarlar > Kabuk** (shell) kiosk mode opens the shell borderless and full screen; exit with **Ctrl+Shift+X** .

8. CONNECTING SCADA TO A SITE

1. In SCADA open **Ayarlar** > **Sahalar** (sites) > **+ saha ekle** (add site).
2. Fill in the fields (table below). Get the API key from Worker > **Ayarlar** > **API ve TLS** > **Panoya kopyala**.
3. Press **Sına** (test). Once connected (over HTTPS) the certificate fingerprint is filled in automatically.
4. Save. The site's points appear in SCADA; add graphics and dashboards from the page tree.

SITE FIELDS

anahtar (key)	Prefix of point IDs. Do NOT change it later; page bindings depend on it.
görünen ad (display name)	Name of the site in the interface
Worker adresi (address)	http://192.168.1.10:7171 or with TLS https://...:7443
API anahtarı (API key)	Required if Worker is not on the same machine; never shown again once saved
sertifika parmak izi	Certificate fingerprint — https addresses only; the value from Worker > API ve TLS
yoklama (ms)	Polling interval — default 500, minimum 250

⚠ "Bu Worker kimlik doğrulama istiyor" (this Worker requires authentication) means no API key was entered; "API anahtarı geçersiz" (invalid API key) means a wrong or renewed key. If **Yeni anahtar üret** (generate new key) is pressed in Worker, the key must be re-entered in every SCADA.

9. SECURITY, BACKUP AND UPDATES

9.1 TLS (HTTPS)

1. Worker: **Ayarlar** > **API ve TLS** > **Sertifika üret** (generate certificate — self-signed, valid 10 years), or for a corporate CA **.pfx yükle...** / **CSR üret....** Tick "HTTPS dinleyicisini aç" (enable HTTPS listener, port 7443). These operations run while the Worker service is running.
2. In SCADA change the site address to **https://...:7443**; **Sına** picks up the fingerprint.
3. For SCADA itself: **Ayarlar** > **API ve TLS** > **Sertifika üret**, "HTTPS açık"; install the file from **Sertifikayı indir (.cer)** on clients under "Trusted Root Certification Authorities".
4. Only AFTER every connection uses https, tick "Düz HTTP'yi kapat" (disable plain HTTP).

9.2 Backup

- **Worker** > **Ayarlar** > **Yedek**: scheduled backup, frequency (daily, weekly, monthly), time and number of backups kept. “Yedeği parolayla şifrele” uses AES-256. **Yedeği şimdi al** (back up now), **Yedekten geri yükle...** (restore).
- **SCADA** > **Ayarlar** > **Yedek**: scheduled backup (default 03:00, 30 kept), database backup, “Worker yedeğini de tetikle” (also trigger Worker backup), encryption. **Yedeği indir** (download), **Zip'ten geri yükle** (restore from zip — replaces, does not merge).

9.3 Updates

In Worker > **Ayarlar** > **Güncelleme** and SCADA > **Ayarlar** > **Güncelleme** press **Güncelleme var mı?** (check for updates). Updates never install on their own: they ask first, verify the file with SHA-256, stop the service for a few minutes and reopen the interface at the end. Settings, pages and the license are kept.

10. TROUBLESHOOTING

MESSAGE AND SOLUTION

Veritabanı bağlantı dizesi BOŞ	Database connection string empty — enter the server in Worker > Ayarlar > Veritabanı (with SQL Express: <code><machine>\SQLEXPRESS</code> , <code>sa</code>). Readings are buffered meanwhile.
Port kullanımda	Port in use — another application uses 7171 or 7180; change the port on the API ve TLS tab.
Servis işlemleri için yönetici yetkisi gerekiyor	Run the Worker interface as administrator.
WebView2 çalışma zamanı bulunamadı	If setup ran without internet, install WebView2 manually (Section 2); meanwhile open SCADA in a browser.
[MQTT] ... bağlanılamadı	Cannot connect to broker — check address, port, TLS and user/password with Bağlantıyı Test Et on the MQTT tab.
Bu makine için sunucuda lisans bulunamadı	No license on the server for this machine — send the machine code to Energyplus and download again when ready.
Sistem saati geri alınmış	System clock set back — correct the server time; license validation rejects a clock turned back.
New points are not read	Restart the Worker service after saving in Tags Editor.

LOG FILES

Worker	<code><install>\Logs\worker-YYYY-MM-DD.log</code> · Start > Log klasoru (14 days)
SQL installation	<code>%TEMP%\energyplus-sql-kurulum.log</code>
SCADA update	<code>%ProgramData%\EnergyPlus SCADA\guncelleme\</code>
Setup wizard	<code>%TEMP%\Setup Log *.txt</code>

11. UNINSTALLING

Remove the programs from Windows "Apps" or with the uninstall shortcut in the Start menu. The services and firewall rules are removed.

KEPT ON UNINSTALL

Worker	<code>config.json</code> , <code>%ProgramData%\EnergyPlus Worker Monitor\</code> (backups), SQL Server and the database
SCADA	Pages and settings (<code>%ProgramData%\EnergyPlus SCADA\</code>), your own symbols
License	<code>%ProgramData%\EnergyPlus\security\</code> — not asked for again on reinstall

SQL Server Express is installed as a separate Microsoft product and is not removed with Worker.



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