



# **WELCOME TO ESZKÖZTÁR<sup>®</sup>!**

## What is EszközTár®

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**E**szközTár is an asset management software developed for telecommunication companies. Equipped with inventory and logistic module, follows up the location and the status of equipment throughout the entire life cycle from purchasing, forwarding, activation, warranty processes until the depreciation and disposal processes.

In recent years the challenge of optimizing and managing assets has multiplied. Communication Service Providers are no longer responsible for just the network assets; today they're also responsible for managing the logical and IT assets. Additionally, equipment and devices have become much more complex. For example, customer premises equipment (CPE) has evolved dramatically

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- Purchase & Procurement
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- Warehouse Management
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- Forwarding
- 
- Warranty processes
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- Depreciation & disposal
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- Barcoding
- 
- TI & RA gateway
- 
- SAP reporting
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Maintenance of an optimal level of equipment in stock, originated with different vendors and sources result in CapEx reduction.

Strict audit regulations demand high visibility and understanding of network-related assets used for service delivery.

## Organizational Structure

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EszközTár handles the organizational structure of the company. EszközTár provides tools to update organizational structure according to changes in the organization. EszközTár handles the following properties of organization units:

- Short name
- Full name
- Primer
- Accountable cost centre
- Cost centre
- Parent organization unit
- SAP reporting required (Y/N).
- Company code

- Activation date
- Inactivation date

Each organizational unit may have one or more inventory assigned to. EszközTár handles the following properties of storages:

- Name
- Type
- Itemized inventory
- Automatic intake
- Storage code
- Supervising organization
- Stockpiling

## Device Catalogue

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EszközTár has a very detailed and sophisticated equipment catalogue. Beyond handling the following properties of equipment

- Class
- Group
- Type
- Vendor
- Device code
- Inventory class
- Active
- Activity date
- Inactivity date
- Article code
- Warranty type
- Serial nr. Barcode relation
- Activation class

- Balance reading frequency
- Measurement unit
- Warranty time period
- Name, etc.

Device catalogue contains a number of rules such as:

- device type change rules
- device status and status change rules
- Barcode prefix – equipment type rules
- Serial number rules
- Vendor list
- device type – owner rules

## Purchase and Procurement

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Via the purchasing and procurement process a certain set of equipment will be entered into the EszközTár database. The equipment may arrive into the central storage of the procurement department or into a lower level storage.

EszközTár handles equipment registration independent of what sort of business event (e.g. purchasing, company buy up, etc.).

There are several tools to enter purchased equipment into the system:

- Excel import
- Read from barcode scanner
- Manual registration
- Bulk import from internal storage (e.g. central storage)

The barcoding module supports the purchase and procurement processes.

## Inventory Management

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The inventory management module takes care of all transactions related to devices in stock. It supports bulk and individual inventory adjustments as well and reports any accounting related transactions to SAP. Statistics support the maintenance of optimal stock level.

Inventory Management includes the following functionalities:

- Taking devices into storage
- Inventory taking
- CPE soft reservation at the time of customer order
- Itemization of reserved CPE type at the time of service activation
- Releasing device from storage

- Tracking devices
- Tracking accounting events of devices
- Device audit
- Device replacement functions
- Inventory adjustments
- Set up minimum stock
- List and display PDF certificates related to device
- Reporting on inventory

## Barcoding

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EszközTár is equipped with a barcode scanner interface that is widely used in all functionalities and business processes. The barcode scanner interface makes data registration and retrieval way more efficient. The barcode scanner can has two different operation mode.

Detached – barcode scanner operates independent of the computer. In this operation mode it is possible to scan barcodes into the memory of the scanner, and remove barcodes.

Attached - barcode scanner is fully controlled by the computer. Scanned barcodes immediately appear in EszközTár.

The barcoding module supports the following business processes.

- Taking devices into storage
- Release devices from storage
- Inventory taking
- Warranty and repair (barcode printing)

## Forwarding

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Forwarding processes are supported in EszközTár. Both internal and external forwarding events are handled. Any equipment is most likely to be registered to EszközTár via a forwarding event. The basis of each forwarding event is a forwarding order. Each shipment is uniquely identified.

Forwarding functionalities include the following:

- Shipment handling
  - Create shipment
  - Move devices into shipment
  - Remove devices from shipment
  - Display releasable and released devices
  - Approve shipment
- Withdraw shipment
- Aggregated list of shipments
- Itemized list of shipments
- Take shipment into inventory
- Forwarding document printing
  - Delivery note printing
  - Receipt printing
- Special forwarding
  - Receive shipment information from technical inventory system (Internal equipment)
  - Report shipment status to technical inventory system
- Report forwarding of activated devices to SAP

## Warranty & Repair

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EszközTár supports warranty and repair processes via special functionalities.

The warranty process starts at the occurrence of the defect and lasts until the replacement of the device until testing the repaired device.

Warranty processes are supported with the following functionalities:

- Contingency handling

- Transaction handling
- Defect report sheet handling
- Barcode printing
- Device replacement handling
- Deadline monitoring
- Pending items handling
- Inventory balance monitoring

## Depreciation & Disposal

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EszközTár supports the disposal process by several functionality.

In the depreciation and disposal process the SAP gateway has a key role. Depreciation and disposal support includes the following functionalities:

- Send equipment list to SAP
- Block devices under disposal (marked by SAP)
- Sets “disposed” status for equipment

## Statistics module

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In EszközTár’s statistics module the user is allowed to set up individual SQL queries for reporting and statistical purposes.

Queries, query versions will be saved and those can be retrieved and started any time. Results of queries are also saved and archived in EszközTár.

The main advantage of the general statistic module is that the user can specify on-line in

what format the data to be retrieved from the EszközTár database.

EszközTár supports query scheduling, and CPU assignment (runs offline).

Results of queries automatically transferred via e-mail or FTP, SFTP to pre-defined addresses.



## TI & RM gateway

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Gateway to technical inventory and resource allocation system is important in several business processes such as

- Service activation: EszközTár receives information from TI&RM and reports the fact to SAP
- Forwarding of activated equipment within the network: EszközTár receives information from TI&RM about the

transfer of the equipment. Then EszközTár executes the forwarding operation and sends feedback to TI&RM when the forwarding is finished.

- Soft CPE allocation: Inventory control receives information from TI&RM on the number of devices allocated to customer request.



## SAP gateway

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Asset management has a number of financial effects. Therefore it is a key issue for EszközTár to have an interface to financial systems.

SAP gateway has the following functionality.

- At the time a device is activated the event of activation is reported to SAP. Activation can be reported after the equipment has been registered to SAP.
- At the time an active device is forwarded internally the fact of forwarding will be reported to SAP.

- Warranty and repair processing is reported to SAP at the time the equipment returns.
- The depreciation and disposal process strongly relies on the EszközTár-SAP interface. First EszközTár provides equipment list. Then SAP selects the equipment to be blocked (no business transactions allowed). EszközTár takes care of blocking while SAP sorts out the equipment that will finally be disposed.
- Time-to-time EszközTár-SAP device list comparison can be executed

## Version management

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The version management software makes the process of loading new EszközTár versions from development environment to test, education and production environments.

The version management software stops the processes in the appropriate order, determines the system parts to be replaced with new version, makes the updates and finally restarts

the system components in the appropriate order.

## System advantages

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- The system reduces service delivery and fault detection time, so improves customer satisfaction.
- EszközTár is capable of managing the entire lifecycle of modern network related assets used to deliver services to customers increases operational efficiency.
- Maintaining optimal stock levels and tracking the end-to-end lifecycle of spares reduces capital CapEx.
- Tracking detailed information about all network-related assets from CPE to installed software and spares in a single, centralized system supports financial processes.
- Various alternative tools available to upload and update inventory data from external, even remote locations make the possibility of keeping data up-to-date and accurate
- Introduction of new technologies does not involve software development, because the system is fully parameter driven.
- Supports mass product operation processes and bulk uploads from different sources.
- On-line communication with other systems via interfaces ensures the consistency with different systems.
- ISO9001 certified development and support processes at the developer company ensures stable and reliable service maintain in the future.



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