

Supplier guide for E-SPIR *Next* - version 8.60

E-SPIR = Electronic - Spare Parts Interchangeability Record

Date: 18 June 2026

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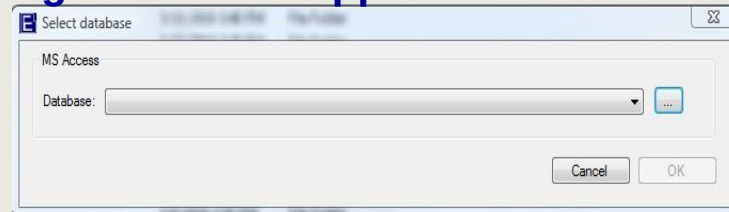
IT Section - Database management

1. Keep the E-SPIR data folder DataSupplierSPIRs from C:\Program Files\E-SPIR Next\SupplierV8.60 as your source for a clean database when required.
2. To keep the database in a healthy state, use the compact and repair database function under Tools. Make always a backup before using this function and make sure nobody is using the database.

Start up E-SPIR Next

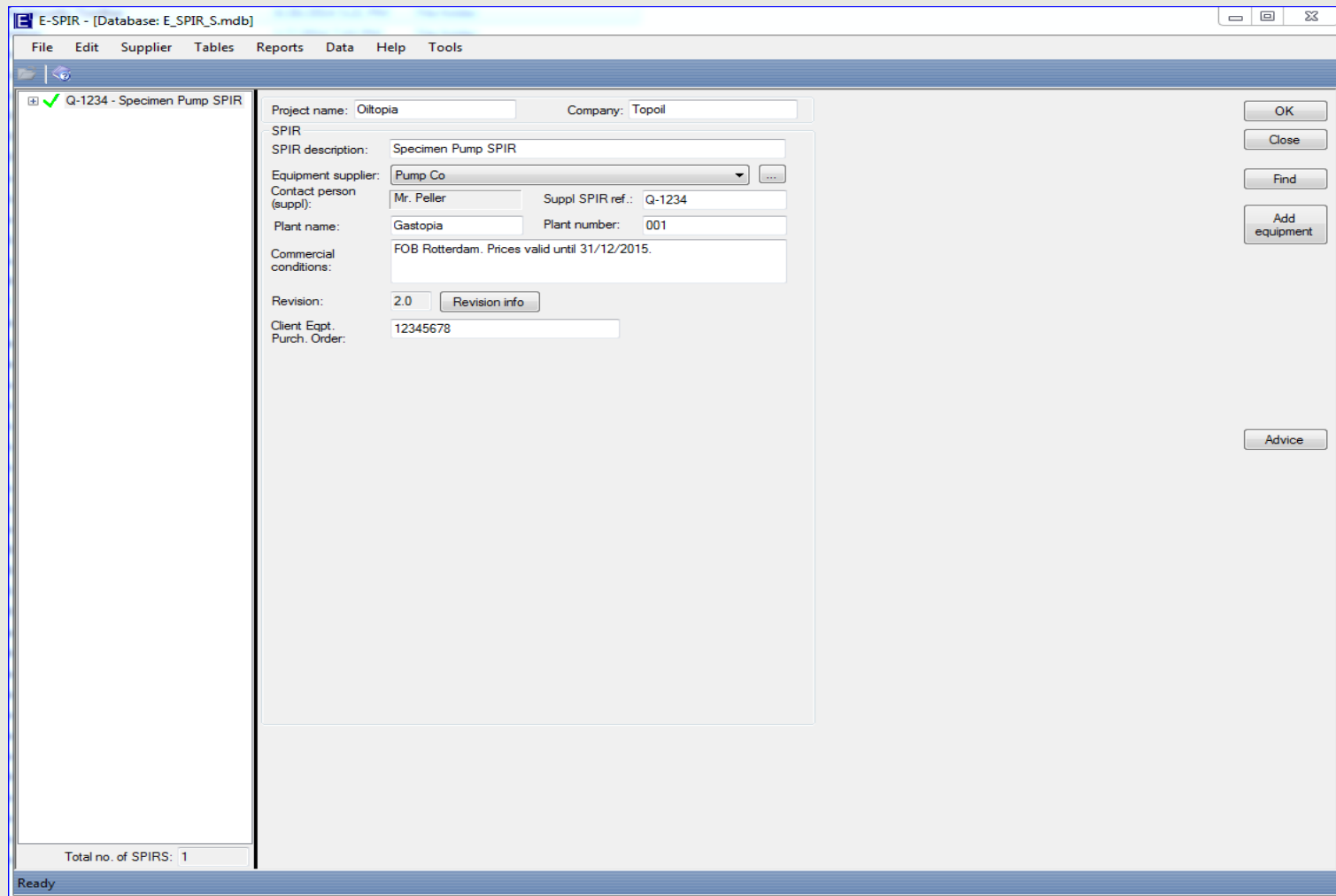


1. Click on
2. The following screen will appear:



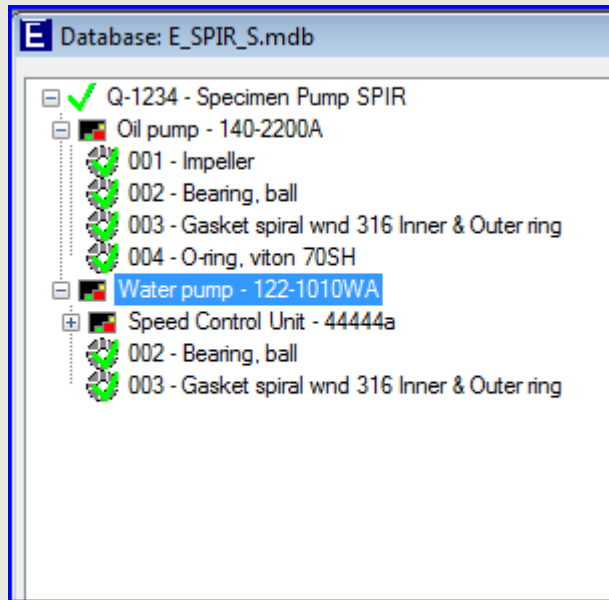
3. Select  and search for the E-SPIR database in t (see under page 3 point 7) and double click on the DataSupplierSPIRs\E_SPIR_SSQL.db file.
4. You can now start using the program. We recommend you to start on **page 6** of this guide.
5. If you have any problems with the download, see page 42 of this manual.
6. **Characters allowed in E-SPIR:** !"#\$%&'()*+,-./0123456789:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~€ƒ†‡‰ŠŒŽ™šœžŸƥ£¥\$©ª®°±²³µ¹⁰¹⁄¼¹⁄²³⁄⁴ÀÁÂÃÄÅÆÇÈÉÊËÌÍÎ ÆÑÒÓÔÕÖ×ØÙÚÛÜÝÞßàáâãäåæçèéêëìíîïðñòóôõö÷øùúûüýþÿ Do not use “;”

- On opening the program for the first time the main screen presents a specimen completed SPIR.
- The specimen SPIR can be opened by clicking on the  square for the SPIR



The screenshot displays the E-SPIR software interface with the following details:

- Title Bar:** E-SPIR - [Database: E_SPIR_S.mdb]
- Menu Bar:** File, Edit, Supplier, Tables, Reports, Data, Help, Tools
- Left Panel:** A tree view showing a single entry:   Q-1234 - Specimen Pump SPIR
- Main Form Fields:**
 - Project name: Oiltopia
 - Company: Topoil
 - SPIR description: Specimen Pump SPIR
 - Equipment supplier: Pump Co
 - Contact person (suppl): Mr. Peller
 - Plant name: Gastopia
 - Commercial conditions: FOB Rotterdam. Prices valid until 31/12/2015.
 - Revision: 2.0
 - Client Eqpt. Purch. Order: 12345678
- Buttons:** OK, Close, Find, Add equipment, Revision info, Advice
- Status Bar:** Total no. of SPIRS: 1, Ready



When the specimen SPIR has been opened the following is presented



This line shows the Suppliers reference and the SPIR description.

When highlighted the SPIR information is presented on the screen.

By clicking on the SPIR, it will open and present coloured square box(ex) being the equipment.



The square box shows the equipment information, when highlighted.

This SPIR contains:

2 pieces of main equipment,
1 piece of sub-equipment (Speed Contr. Unit.)

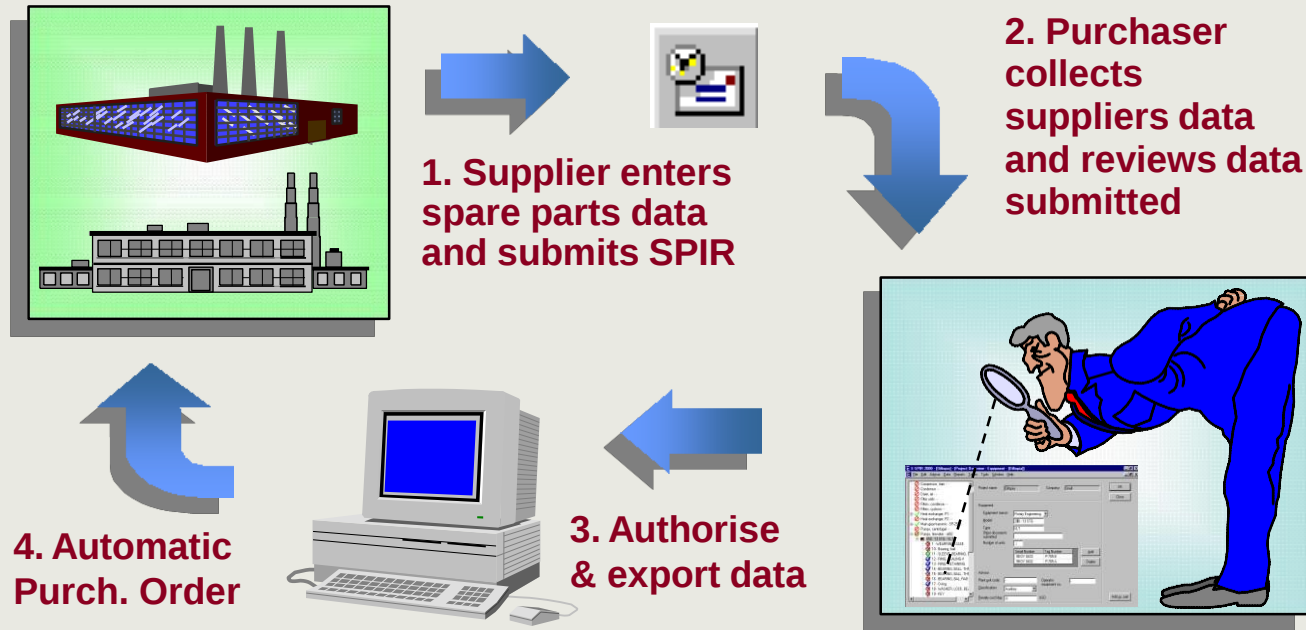


The circles with a green tick represent a spare part.

When highlighted the spare parts information is presented.

We will create a similar SPIR as the specimen presented and go through the different steps on the coming pages

The E-SPIR *next* cycle



E-SPIRs submitted might be used for **automatic ordering**. Therefore **the prices** in your E-SPIR quotation should **comply** with the **requested terms & conditions**.

Example:

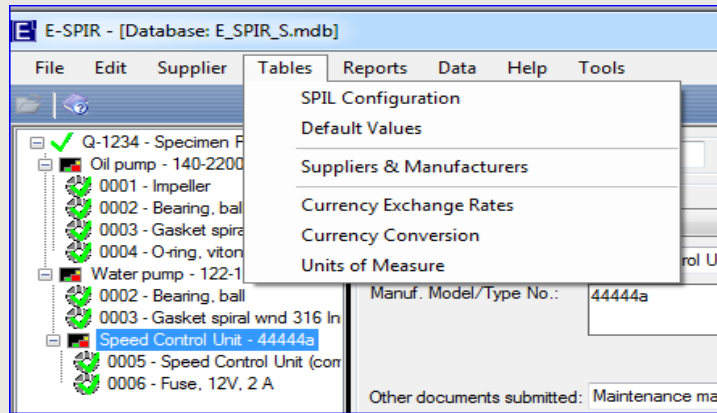
Your spare parts prices are always quoted “Ex Works, unpacked”.

Your customer requests prices “Free On Board International Airport, packed”.

Solution:

If your price list is “Ex Works, etc.” only, you can adjust the prices for the cost of packing & delivery FOB (page 31) by adding a percentage when you print and export the SPIR from the program.

Start working in the program



- When starting up the program the first thing to do is to enter your company address details.

- The screen can be found under:
Tables: Suppliers & Manufacturers

- For new users it is suggested to “replace” the data of the specimen Company Pump Co with the details of your own Company
- Highlight the Name
- Click on the **Edit** button
- Replace the data from the specimen Company by data from your own Company
- After completion, click **Save**

Note for Local Agents

Local Agents for equipment manufacturers should enter two names and addresses, one of their own agency and one of the equipment manufacturer.

The screenshot shows the 'Suppliers and manufacturers' dialog box. It contains a table with one entry for 'Pump Co'. Below the table are input fields for company details.

Name	Address 1	Address 2	Address 3	Country	Phone
Pump Co	Waterlane 162	Pump Town		United Kingdom	44793418183

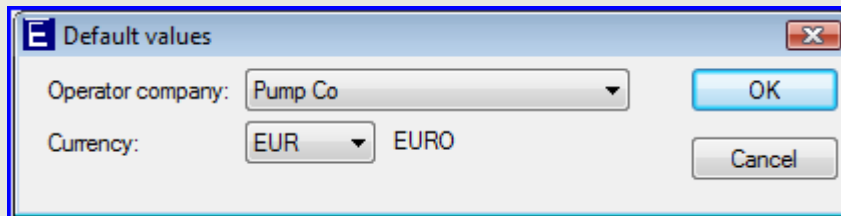
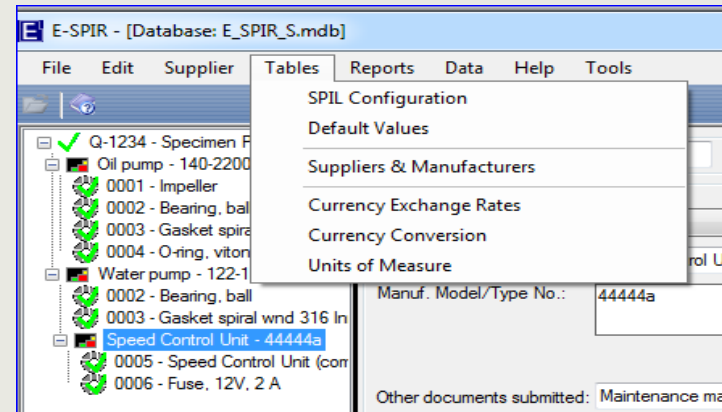
Buttons: Close, Add, Edit, Delete, Export, Save, Cancel.

Input fields below the table:

Name: Pump Co
 Address: Waterlane 162, Pump Town
 Country: United Kingdom
 Telephone number: 44793418183
 Fax number: 44793418194
 Contact person: Mr. Peller
 E-mail: peetpeller@pumpco.com

Set your preferred Default Values

- The Default values can be found under Tables:



- Select the Equipment manufacturers name used for quotations by your Company with the drop down button and select the currency.
- Click **OK**
- Please note currencies of complete SPIRs can always be changed (see page 34).

- The program is now ready for use and a new SPIR can be set up.
- Details entered in the program will be automatically saved when you close the program.
- There are three methods to create a SPIR.

1. E-SPIR import from SPIL

2. E-SPIR manual input

3. Copy old SPIR data

2. Process steps

- a. Import a SPIL (Excel)
With a SPIL you can upload all required information (including tag numbers and advice!) for creating a SPIR

1. Process steps

- a. Create SPIR
- b. Add equipment
- c. Create the spare parts one by one or import see page 41
- d. Link the spares to the equipment
- e. Enter the spare parts ADVICE

3. Process steps

- a. Copy old SPIR or equipment with spare parts.
(see page 40)
- b. Change equipment quantities, serial & Tag numbers
- c. Review the spare parts ADVICE

In all events Suppliers shall quote all spare parts required for possible use during the lifetime of the equipment.

For any process followed, prices can be adjusted per customer at the moment of export.

Importing a SPIL in the database

All spare part information can be imported in your in E-SPIRnext database with a SPIL Excel file.

The SPIL form can be found in the E-SPIRnext Supplier V8 program folder: Sample_SPIL.xls.

The Column Headings show the field lengths and which fields are mandatory or optional. Use this SPIL file as an example.

	A	B	C	D	E	F	G	H	I
1	SPIL Description	Suppl SPIL ref.	Plant Name	Plant Number	Commercial conditions	Client Eqpt. Purch. Order	Revision remarks	SPIL Supplier Name	SPIL Supplier Ad
2	Mandatory	Mandatory	Optional	Optional	Mandatory	Mandatory	Optional	Mandatory	Mandatory
3	40 characters	10 characters	30 characters	50 characters	132 characters	30 characters	132 characters	30 characters	33 characters
4	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
5	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
6	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
7	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
8	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
9	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
10	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
11	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
12	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
13	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
14	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
15	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66
16	Pump Skid - SPIL example	A12434	Gastopia	206	FOB Rotterdam. Prices valid until 31/12/2015.	38325453		The Pump Company	Pumpstraat 66

The following notes must be observed:

- 1: The Suppliers spare parts table must contain a Currency code and Unit of Measure such as EA (each), M (meter), etc. These codes **must** be the same as used in this E-SPIR program (refer to tables, Currencies and Units of Measure).
- 2: All mandatory fields must be filled in. Do not exceed the maximum amount of characters.
- 3: Each spare part for each tag number must start on a new line.
- 4: Number of Units (column T) for Equipment is total number of the same units. For sub-equipment it is the total number of same units PER equipment.

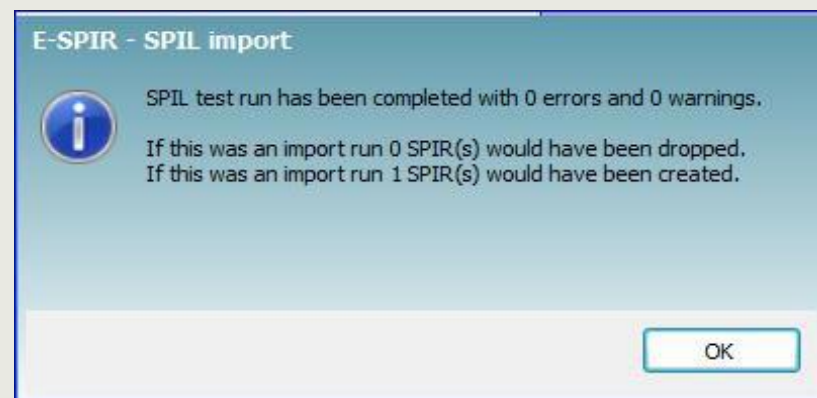
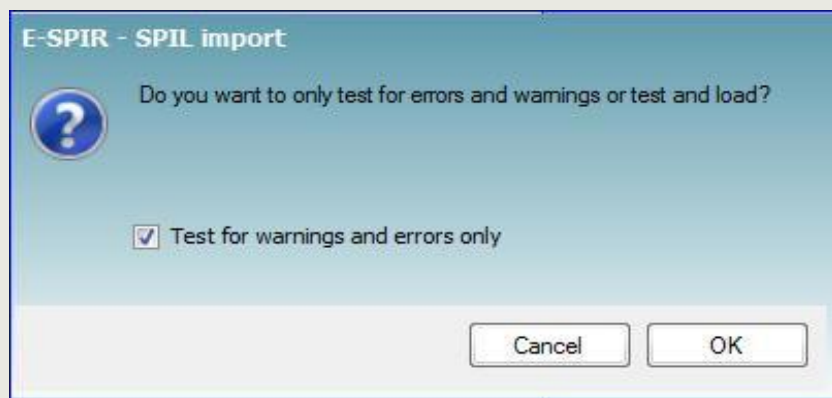
The first 3 column headings will be ignored during import.

The *.xls file with the mandatory fields completed can be imported in E-SPIR under the menu bar Data, Import SPIL file.

During the upload process the program will create a log file, presenting upload errors and data changes for values already existing in the database. The log file will present the old and new values. The log file can be found in the same directory from where which the import file was imported. The log file name is equal to the import file with the extension "log".

Importing a SPIL in the database

When importing the SPIL you will have the opportunity to test whether the SPIL is correct. After the test has been successfully completed, the message box will say 0 errors and 0 warnings.

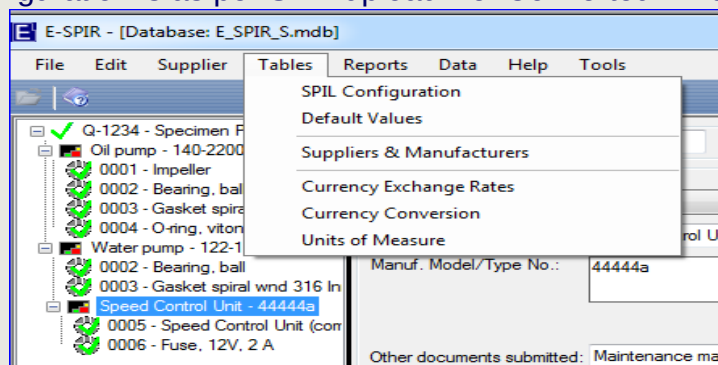


After a successful test all steps for importing have to be repeated and the “Test for warnings and errors only” has to be unticked.

When the upload is creating error messages, a complete list and possible solutions can be found under the Help menu: SPIL Error refence.

SPIL upload configuration

In the SPIL Configuration screen you can configure the SPIL upload to your company needs. Standard the SPIL configuration is as per SPIL upload file. Converted V7.00 databases have to be configured as per below.



The 'SPIL Configuration' dialog box is shown with the 'Equipment' tab selected. It contains two main sections: 'General SPIL information' and 'SPIL Equipment Supplier Information'. Each section has several fields with dropdown menus for selection. At the bottom, there is a button 'Import SPIL Report Column Names' and a status message 'Selected SPIL report: No file selected...'. 'OK' and 'Cancel' buttons are also present.

General SPIL information

Project name *:	Project name
Company *:	Company name
SPIL description *:	SPIL Description
Supplier reference *:	Suppl SPIL ref.
Plant:	Plant Name
Plant number:	Plant Number
Commercial conditions *:	Commercial conditions
Client equipment purchase order *:	Client Eqt. Purch. Order
Revision remarks:	Revision remarks

SPIL Equipment Supplier Information

Name *:	SPIL Supplier Name
Address *:	SPIL Supplier Address
Address2:	SPIL Supplier Address 2
Address3:	SPIL Supplier Address 3
Country *:	SPIL Supplier Country
Telephone number *:	SPIL Supplier Telephone number

* This field is mandatory

Import SPIL Report Column Names Selected SPIL report: No file selected... OK Cancel

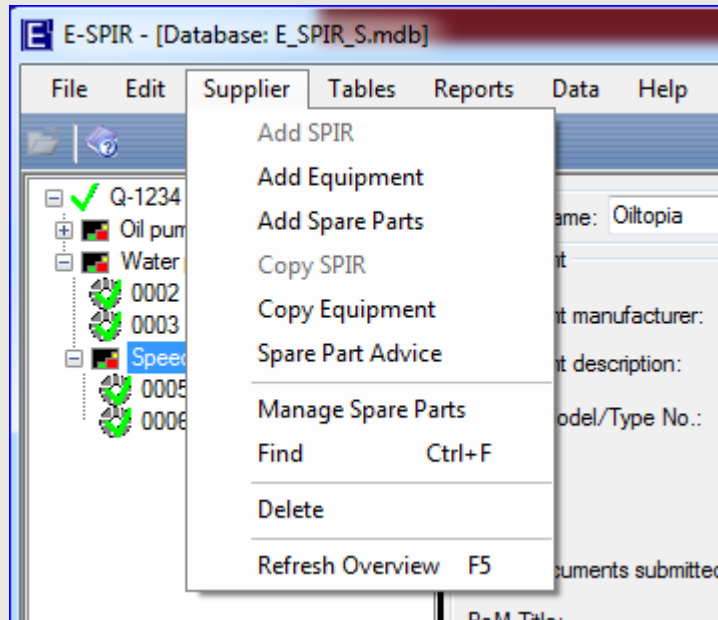
The column names of you spare part data file can be imported by selecting

Import SPIL Report
Column Names

When the column names have been imported, you can map the to the column names of the SPIL form.

For concerted V7.00 databases you import the SPIL upload file.

It is to be noted that for each original equipment Purchase Order a separate SPIR shall be prepared



- From the menu bar click on **Supplier** and click **Add SPIR** from the drop-down menu and the following screen will appear, in which we have entered some specimen data.

Note: Blue tinted fields in the program are mandatory fields. Hover over the red exclamation mark to find what extra information is required

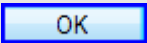
 A screenshot of the 'Add SPIR' dialog box. It contains the following fields:

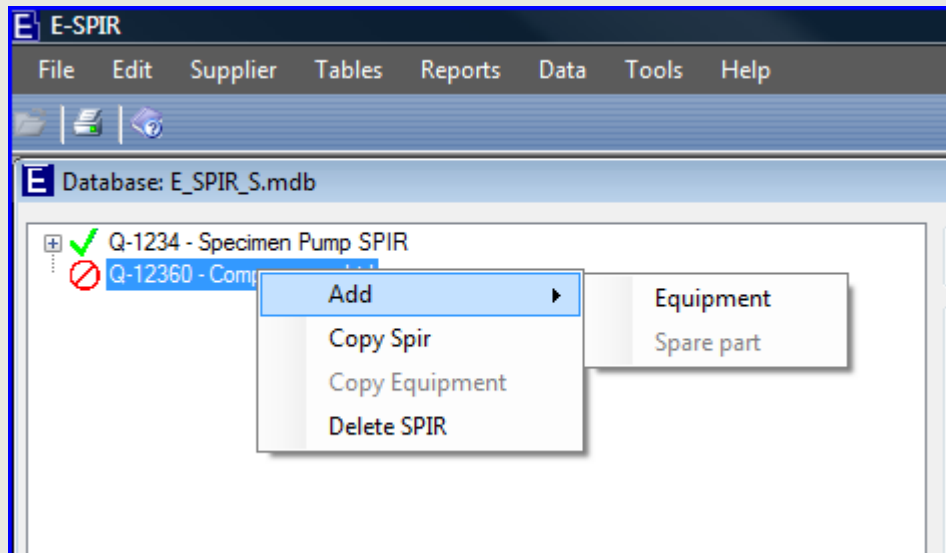
- Project name: Oiltopia
- Client eqpt purch. order: 3244545
- Equipment supplier: Local Agent Cy Ltd (dropdown menu)
- Contact person (suppl): Mr. Locally
- Supplier reference: Q-12360
- Plant: Tank Area
- Plant number: 5360
- Commercial conditions: (empty text area with a red exclamation mark icon)
- Company: Topoil
- SPIR description: Compressor skid
- Date submitted: 3/30/2011

 On the right side, there are buttons for 'OK', 'Close', and 'Add equipment'.

- You can now populate boxes with details from the original equipment Purchase Order.

Project Name : Enter the Project name, if provided in Purchase Order
Equipment Supplier : Select name of the of the **Local Agent** or the **equipment manufacturer** (see also page 7). Name of the **Local agent** should only be mentioned on this screen.
Supplier ref : Enter your own SPIR or Quotation reference
Plant : Enter Plant name, if provided in Purchase Order
Plant number : Enter Plant No., if provided in Purchase Order
Client Eqpt Purch. Order : Enter the original Purchase Order No of the Main Equipment, this Purchase Order number should be unique for each SPIR.
Commercial conditions : Enter terms & conditions and price validity as requested.
Company : Enter the Company name as provided in the Purchase Order
SPIR description : Enter the description of the Equipment Purchase Order

- Click  The coversheet of your SPIR has now been created.



The supplier/quotation reference and the SPIR description have appeared in left hand window. Put the cursor on the SPIR in the left hand window and select Add, Equipment to create the Equipment.

E-SPiR
File Edit Supplier Tables Reports Data Tools Help

Database: E_SPiR_S.mdb

Q-1234 - Specimen Pump SPiR
Q-12360 - Compressor skid

Project name: Oiltopia Company: Topoil

SPiR
SPiR description: Compressor skid
Equipment supplier: Pump Co

OK
Close
Add equipment
Find

Add equipment

Equipment manufacturer: Pump Co

Equipment description:

Manuf. model/type number:

Number of units:

Bulk item ☐

Equipment serial number:

Tag number:

Other documents submitted:

OK
Cancel
Add spare part

For this E-SPIR we will set up:

Spare parts for an air compressor, a pressure vessel and a control panel unit for the compressor.

■ Notes on specific fields.

Number of units: fill in the quantity of equipment being supplied.

The **Bulk item** indicator can be used for equipment for which Tag numbers have **not** been provided and where your Serial no is not relevant for ordering of spare parts in the future.

If it is cheaper replacing than repairing bulk items, the bulk item should not be listed as equipment, but as a spare part only. Small valves are typical **bulk items**. See also page 36.

Equipment manuf.: Select the name of the Equipment manufacturer (**not** the name of Local Agent, see page 9)

Equipment Descr.: Description allowing users to find the equipment in major ERP systems.

Manuf. Model/type No.: This number should uniquely identify the equipment and be the key equipment reference for future spare parts ordering. Equipment **Serial No** are to be entered by Equipment manufacturer.

The **Tag Number** should be entered exactly as stated in the Purchase Order. If many Serial & Tag numbers are required and those data can be imported in the program as per procedure on page 37.

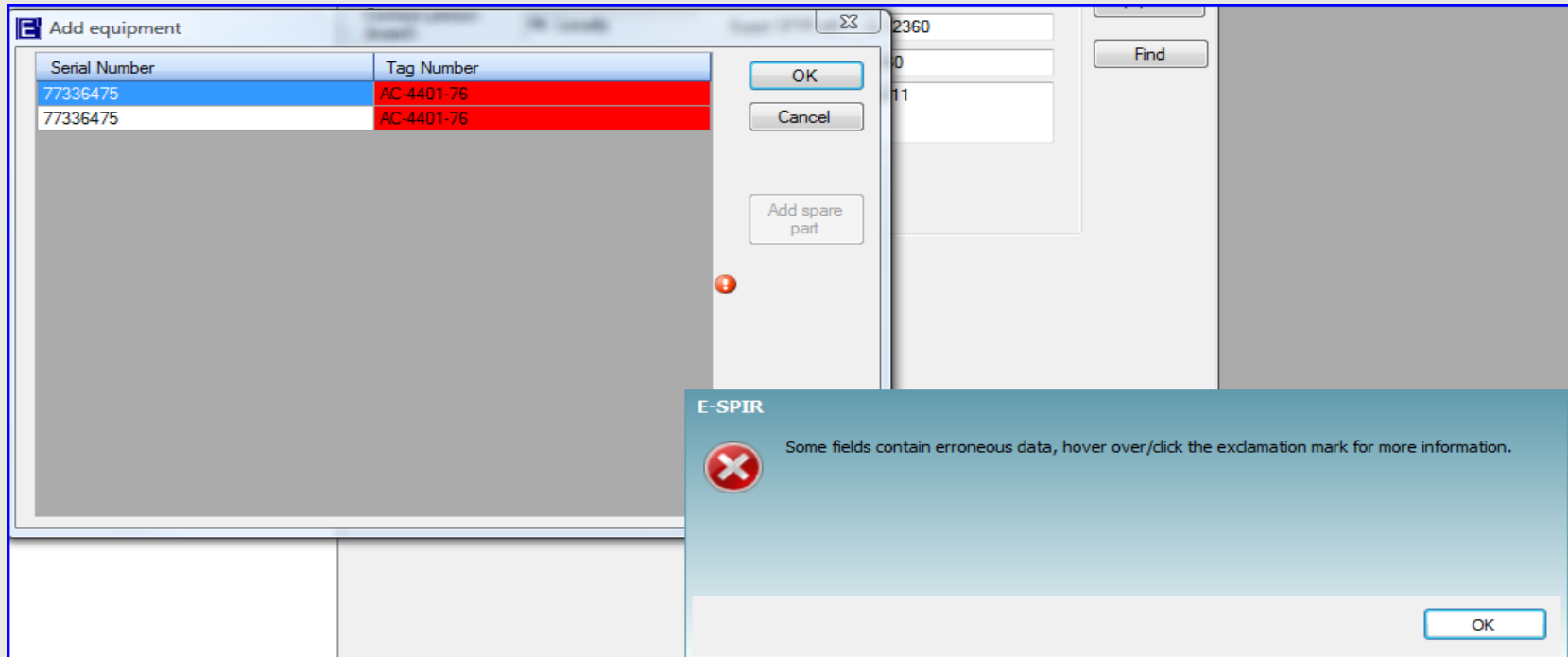
Enter for bulk items in the **Tag Number** field: n.a. and enter a tick on the Bulk item indicator.

The **Other documents submitted** field can be used for a cross reference to manuals.

■ Click

OK

- After OK on the previous screen the Serial & Tag numbers entered will be presented for the number of units (equipment) on the below pop up screen.



- These Serial and Tag numbers must be unique. Click **OK** on the error message and change the second line with the correct Serial and Tag numbers to make them unique. Confirm with **OK**

Add sub-equipment

When the equipment is created a new pop-up screen will appear where sub-equipment can be added. If no sub-equipment is required click Cancel

The screenshot displays the E-SPIR software interface. The main window has a menu bar (File, Edit, Supplier, Tables, Reports, Data, Tools, Help) and a toolbar. The database is 'E_SPIR_S.mdb'. A tree view on the left shows a hierarchy: 'Q-1234 - Specimen Pump SPIR' (checked), 'Q-12360 - Compressor skid' (unchecked), and 'Compressor Air - COMP-AIR-55727288-HFD'. The right pane shows fields for 'Project name: Oiltopia', 'Company: Topoil', 'SPIR', 'SPIR description: Compressor skid', and 'Equipment supplier: Pump Co'. A 'Cancel' button is highlighted in the top right. Overlaid on this is the 'Add sub equipment' dialog box. It contains fields for 'Equipment manufacturer: Pump Co' (dropdown), 'Equipment description:' (text), 'Manuf. model/type number:' (text), 'Number of units:' (text with a red exclamation mark), 'Bulk item' (checkbox), 'Equipment serial number:' (text with a red exclamation mark), 'Tag number:' (text with a red exclamation mark), and 'Other documents submitted:' (text). On the right side of the dialog are 'OK', 'Cancel', and 'Add spare part' buttons.

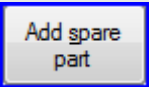
- If the main equipment has any **sub-equipment** attached such as a gearbox, or in our case a **Control Panel**, the sub-equipment can be added to the Main equipment.
 - Sub-equipment shall only be entered as an E-SPIR equipment if it has its own associated spare parts.
 - In many cases the complete unit shall also be quoted as a spare part (see page 36).
- If the sub-equipment has no spare parts it should be quoted as a spare part only to the main equipment.
- Click with your right hand mouse on the compressor and select “Add” and “Equipment”.
- Enter the data as shown below on the sub-equipment screen.
- Klick on OK and look in the white left hand box how the equipment has been entered.

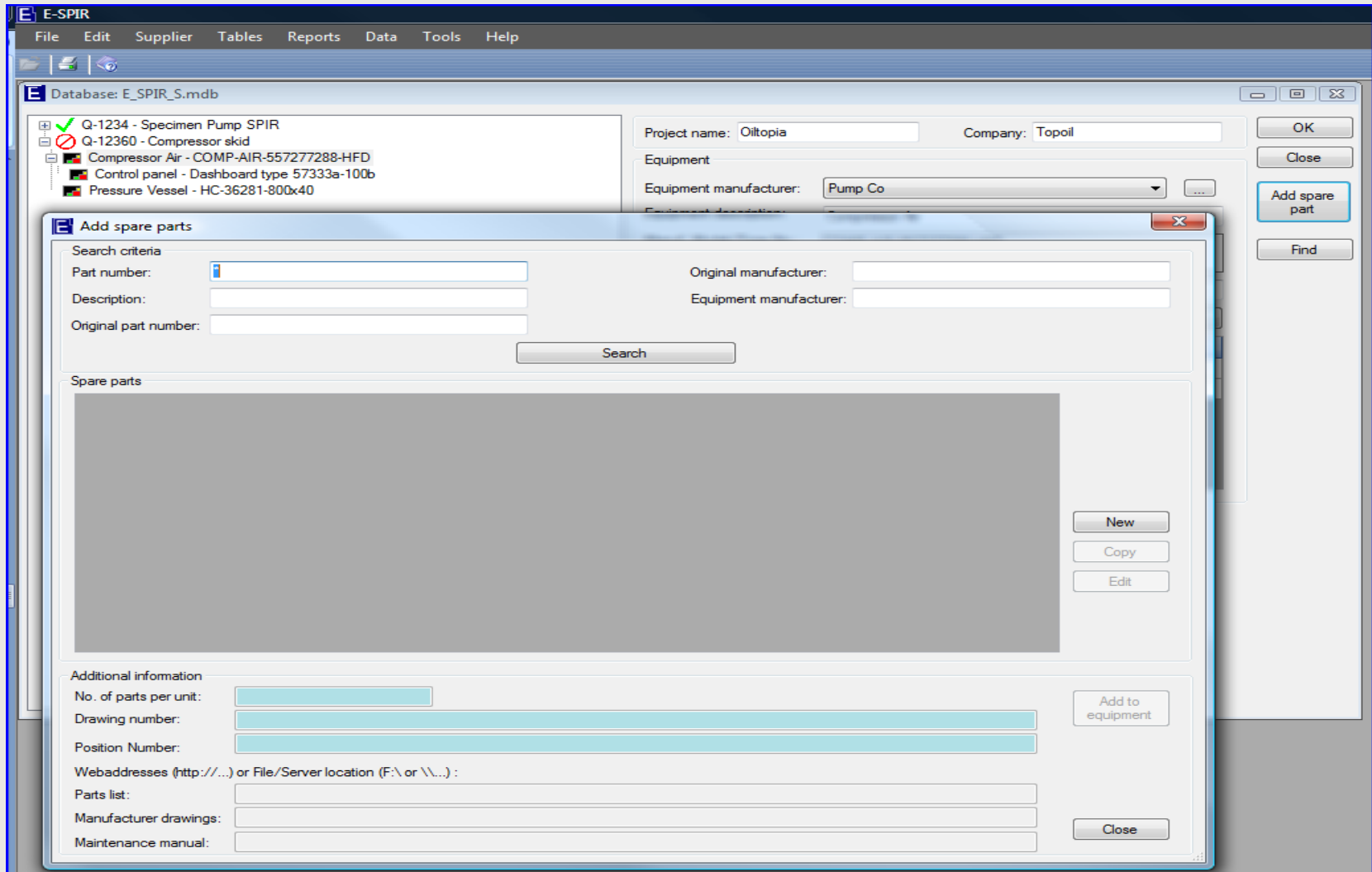
The screenshot shows the E-SPIR software interface. The main window displays a tree view of equipment: Q-1234 - Specimen Pump SPIR, Q-12360 - Compressor skid, and Compressor Air - COMP-AIR-557277288-HFD. The 'Add sub equipment' dialog box is open, showing the following fields:

- Equipment manufacturer: Pump Co
- Equipment description: Control panel
- Manuf. model/type number: Dashboard type 57333a-100b
- Number of units: 1
- Bulk item: ☐
- Equipment serial number: 6789237
- Tag number: AC-4401-76a
- Other documents submitted: Maintenance manual

Buttons visible in the dialog box include OK, Cancel, Add spare part, Add equipment, Find, and Close. The background window also has buttons for OK, Close, Add equipment, and Find.

Add spare parts

- You can now start creating spare parts.
- Click on the  button on the right of the screen.



The screenshot displays the E-SPiR software interface. The main window has a menu bar (File, Edit, Supplier, Tables, Reports, Data, Tools, Help) and a toolbar. The left pane shows a tree view of the database 'E_SPIR_S.mdb' with items like 'Q-1234 - Specimen Pump SPIR' and 'Q-12360 - Compressor skid'. The right pane shows fields for 'Project name' (Oiltopia), 'Company' (Topoil), 'Equipment', and 'Equipment manufacturer' (Pump Co). Overlaid on this is the 'Add spare parts' dialog box. This dialog has a 'Search criteria' section with fields for 'Part number', 'Description', 'Original part number', 'Original manufacturer', and 'Equipment manufacturer', along with a 'Search' button. Below this is a large 'Spare parts' list area with 'New', 'Copy', and 'Edit' buttons. At the bottom, there is an 'Additional information' section with fields for 'No. of parts per unit', 'Drawing number', 'Position Number', 'Webaddresses', 'Parts list', 'Manufacturer drawings', and 'Maintenance manual', plus an 'Add to equipment' button and a 'Close' button.

First we will set up the spare parts, after that we will link them to the equipment

- After the **New** button on the previous screen the following screen will appear. We entered the data for an O-ring.
- Click **OK** after completion. The spare parts created are not yet linked to any particular equipment.
- It is recommended to enter all the spare parts at this stage.
- A supplier shall enter **a complete spare parts listing**, also parts not recommended to purchase for the first two years of operation. Those items will stay on record electronically for maintenance activities at a later stage.
- Enter the name of the equipment manufacturer. Do **not** enter name of Local agent (see page 9).
- The Original manufacturer Part no. & Name **must** be entered. The information of Spare parts as listed on page (24) must be entered in the optional fields. This information is used to identify duplicate spare parts between different SPIRs.
- The Part no. of parts manufactured by the equipment manufacturer should be entered under the Equipment manufacturer only.
- The standard Unit of Measure and Currency will be listed as entered under tables - default values.
- Enter your standard list price in your own currency. Discounts, mark-ups for packing, delivery terms, or a special currency can be included as required before printing and exporting the SPIR (pages 31-33).
- The **Delivery time** should be valid for the quoted INCO delivery terms.

Manage spare parts - [mode: add new]

Equipment manufacturer
 Part number: 43869205
 Name mfr.: Pump Co

Original spare part manufacturer
 Part number: 9555632
 Name mfr.: O-RING CO

Properties
 Description: O-ring, viton, 70SH
 Unit of measure: EA EACH
 Dimensions: 40.87 x 3.53 MM
 Material:
 MFC extra info:

Commercial data in original master spare
 Unit price: 6.50 EUR
 Lastest update: 9/10/2015 mm/dd/yyyy
 Delivery time: 4 Weeks

OK Cancel

Spare part no. or description too long?

Many Companies are using SAP systems, whereby the field lengths of the part number and description are limited to 40 characters, the same as in E-SPIR. Longer part numbers are very inconvenient for those SAP users. The part number and its description should be unique and contain sufficient information for the Purchaser to buy the spare parts. Unnecessary spaces, dashes or pre-fixes should be removed. If the part number is > 40 characters, the complete Part No can also be entered in the "Extra Parts Info" field. Do not use drawing or drawing position nos. as unique identifiers for the spare parts.

Bought-out (Commercial) Items

List of minimum required details for standard commercial items.

Non-Manufacturer related:

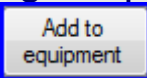
- Bearings** : Bearing designation, preferably SKF number.
- V-belts** : BS/API specification no. with dimensions, cross section, nominal top width, standard length designation, oil resistant, anti-static, fire resistance.
If ribbed, number of ribs.{correct typo}
- Gaskets** : Type, material, pressure rating, nominal pipe size, gasket ID & OD, thickness.
To: ANSI, BS, MSS, API, or standard configuration.
- Plant gaskets** : Type, graphite filler, 316 spiral, 316 inner & outer ring, ID x OD x thickness.
- Bolts & nuts** : Design spec, Material spec. bolt and nut, length and thickness.
- Circlips** : Internal - outside diameter, thickness, for bore size.
External - Inside diameter, thickness, for shaft diameter.
- Fuses** : Voltage, current, type to BS, DIN, IEC
- Bulbs/lamps** : Voltage, Wattage, dimensions, cap type, shape, IEC publication No.
- E-motors** : Type number, voltage, power, all name plate details.

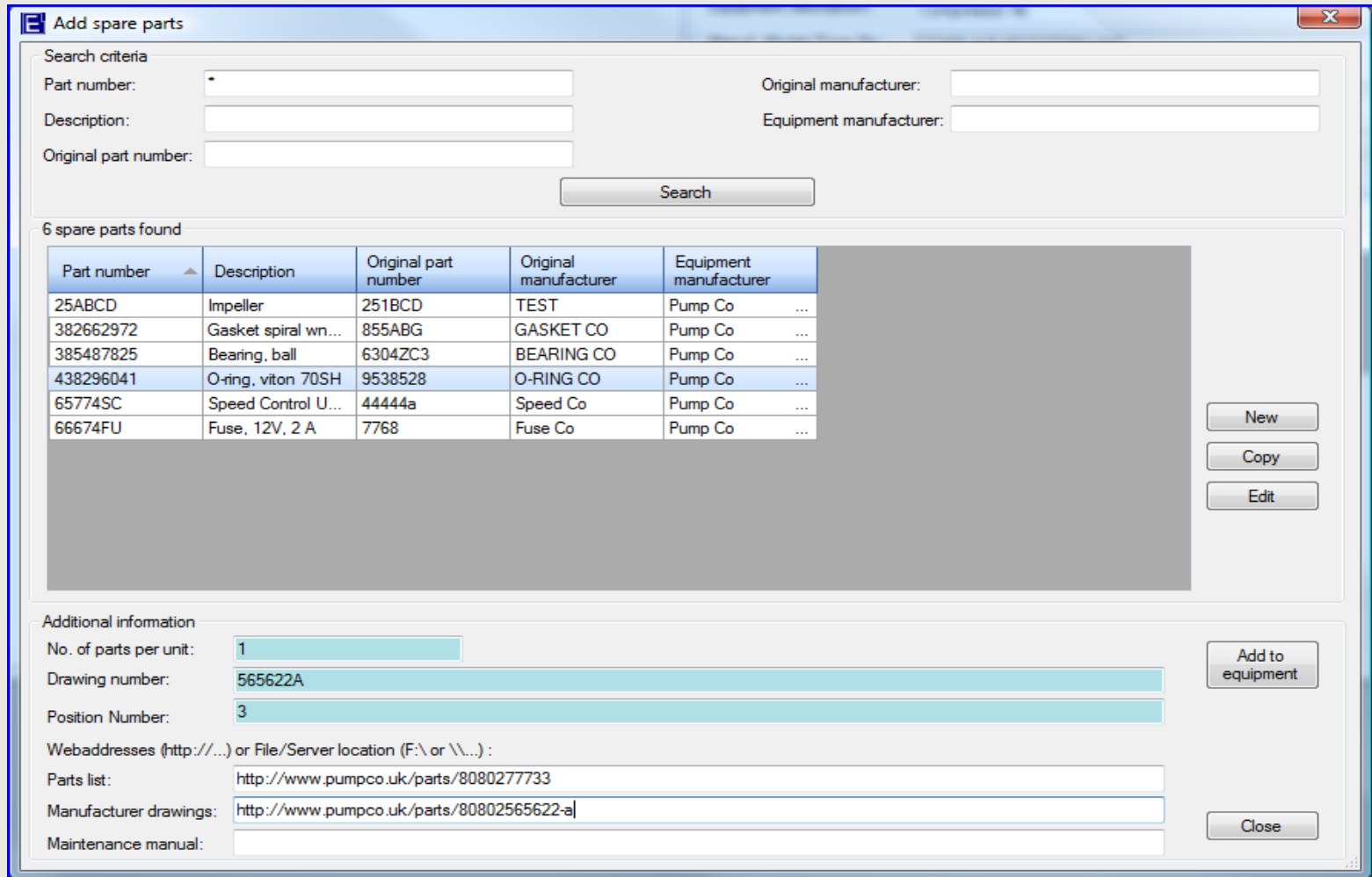
Manufacturer related:

- Instruments** : Prime mfr's name, unique part no., name plate details.
- Relays/contactors** : Prime mfr's name, unique part no., name plate details.
- Mechanical Seals** : Prime mfr's name, type & size, material specification, seal arrangement.
- Couplings** : Prime mfr's name, type, model, size, order code.

This information is required to identify the **interchangeability** for this type of items. It is not acceptable for any Company that items are stocked several times in different places in the warehouse, without being aware of it.

Link spare parts

The O-RING created can now be linked by highlighting the part, filling-in the additional information (see next page), and click on 



Add spare parts

Search criteria

Part number:

Description:

Original part number:

Original manufacturer:

Equipment manufacturer:

6 spare parts found

Part number	Description	Original part number	Original manufacturer	Equipment manufacturer
25ABCD	Impeller	251BCD	TEST	Pump Co ...
382662972	Gasket spiral wn...	855ABG	GASKET CO	Pump Co ...
385487825	Bearing, ball	6304ZC3	BEARING CO	Pump Co ...
438296041	O-ring, viton 70SH	9538528	O-RING CO	Pump Co ...
65774SC	Speed Control U...	44444a	Speed Co	Pump Co ...
66674FU	Fuse, 12V, 2 A	7768	Fuse Co	Pump Co ...

Additional information

No. of parts per unit:

Drawing number:

Position Number:

Webaddresses (http://...) or File/Server location (F:\ or \\...):

Parts list:

Manufacturer drawings:

Maintenance manual:

- We have filled in some details:

No of parts per unit : fill in quantity of spares installed in one equipment

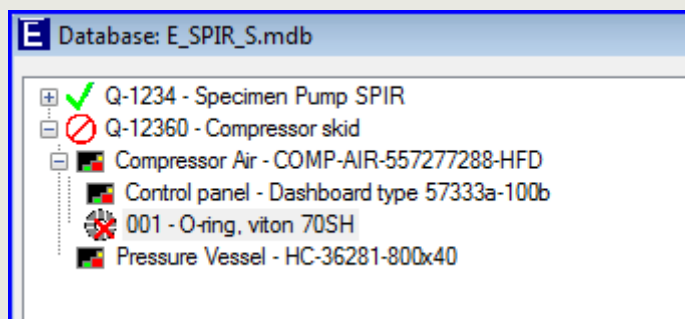
Drawing number : equipment drawing showing relevant spare part(s)

Position number : position number of the spare part on the drawing

The **3 URL fields** can be used as links to electronic documentation.

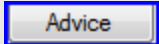
Once the SPIR has been transferred, your customer will be able to access this documentation by clicking on the relevant Web-address.

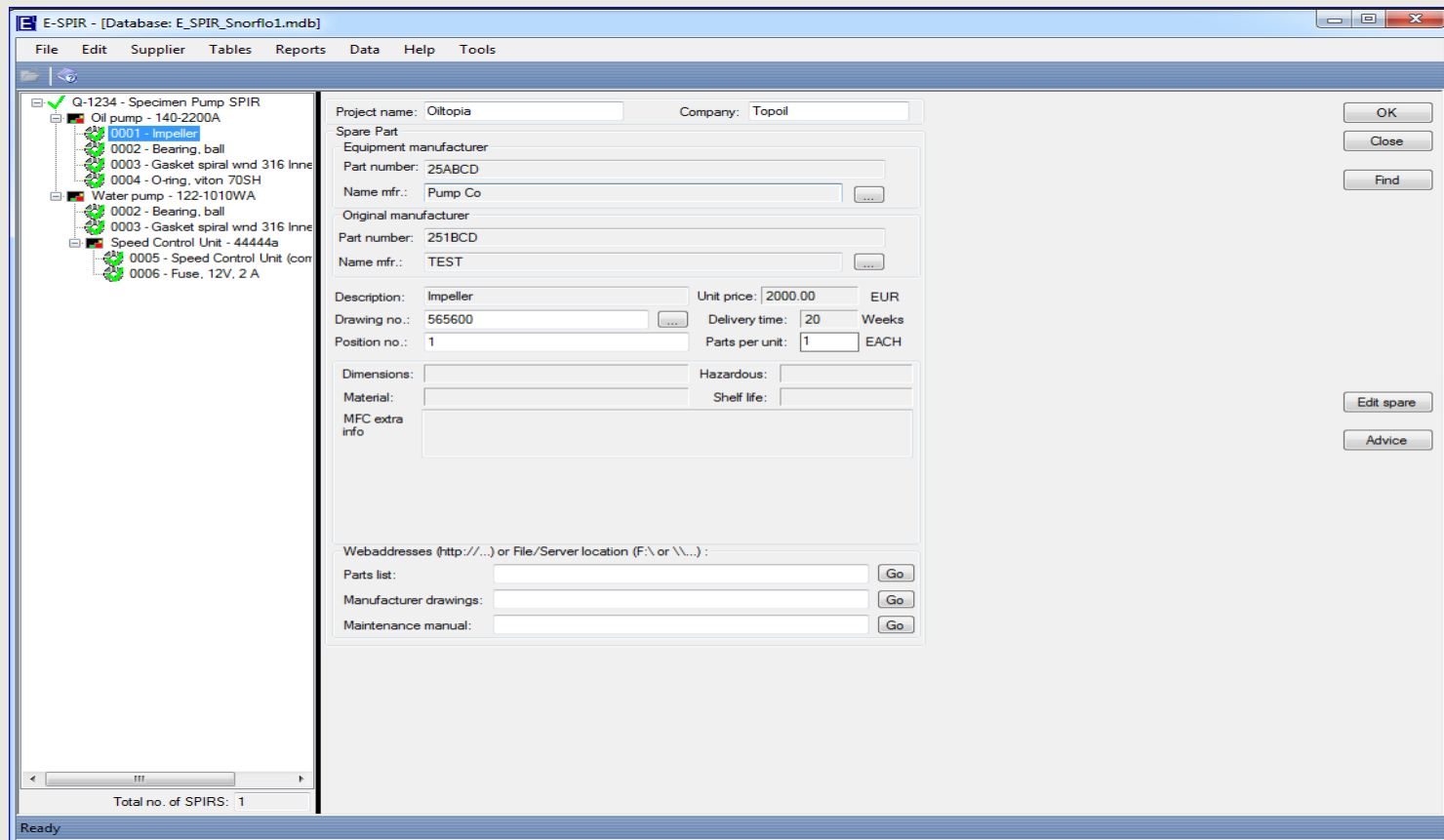
Additional information	
No. of parts per unit:	1
Drawing number:	565622A
Position Number:	3
Webaddresses (http://...) or File/Server location (F:\ or \\...):	
Parts list:	http://www.pumpcomp.co.uk/parts/8080277733
Manufacturer drawings:	http://www.pumpcomp.co.uk/parts/8080565622-a
Maintenance manual:	



- The spare part has now been attached to the equipment in the left hierarchy diagram.
- Continue this process until all relevant spare parts are linked to the equipment listed

Note: When you link a spare part to equipment a copy is made of the item from the database. The price and delivery time can be changed manually (see page 35) per SPIR.

- When all relevant spare parts are attached to all the equipment, they can be seen in the left white box (open the SPIR and the related equipment with your mouse).
- Ensure that all spare parts are quoted required for possible use during the lifetime of the equipment. This information will be kept on file by your end-customer for future ordering.
- Before printing or exporting the SPIR your Advice is required on recommended quantities for purchase.
- Click on  , on the right bottom of the screen.



The screenshot shows the E-SPIR software interface. On the left, a tree view displays the project structure under 'Q-1234 - Specimen Pump SPIR'. The selected item is '0001 - Impeller'. The main form on the right contains the following fields:

- Project name:** Oitopia
- Company:** Topoil
- Spare Part:**
 - Equipment manufacturer: Pump Co
 - Part number: 25ABCD
 - Original manufacturer: TEST
 - Part number: 251BCD
- Description:** Impeller
- Unit price:** 2000.00 EUR
- Drawing no.:** 565600
- Delivery time:** 20 Weeks
- Position no.:** 1
- Parts per unit:** 1 EACH
- Dimensions:** (empty field)
- Hazardous:** (empty field)
- Material:** (empty field)
- Shelf life:** (empty field)
- MFC extra info:** (empty text area)
- Webaddresses (http://...) or File/Server location (F:\ or \\...):** (empty field)
- Parts list:** (empty field)
- Manufacturer drawings:** (empty field)
- Maintenance manual:** (empty field)

Buttons on the right include OK, Close, Find, Edit spare, and Advice. The bottom status bar shows 'Total no. of SPIRS: 1' and 'Ready'.

The supplier spare part **advice quantities** can now be entered in the 3 white boxes.

Definitions of the three **Spare Parts Advice** fields (this might vary per customer, see purchase order)

- **Commissioning Spares** are those spares including special tools that are used during Construction and Commissioning. In the event that the commissioning spares have already been ordered with the equipment, the quantities of spares quoted in the E-SPiR under Commissioning Spares shall be identical to those spares ordered. Also Capital spare parts (already purchased) shall be entered in this box (for monitoring by purchaser).
- **Initial Spares** are required for use during the initial period of two years for operation of the plant after start up.
- **Normal Operation Spares** are required as a record for the life time of the equipment after the Initial Spares period.

Spare part advice

SPiR information
 Description: Q-1234 - Specimen Pump SPiR
 PO number: 12345678

Spare part information
 Equipment manufacturer
 Part number: 25ABCD
 Name mfr.: Pump Co
 Original manufacturer
 Part number: 251BCD
 Name mfr.: TEST
 Description: Impeller
 Unit price: 2000 EUR Last price update: 9/18/2001
 Delivery time: 20 Weeks mm/dd/yyyy

Spare part advice
 Supplier: Commission: 1 Initial: 1 Normal operation: 1

3 Total no. of parts installed EACH

Eq Model/Type	No eqpt	No spares	Total	Client Eqpt. Purch. Order
Oil pump / 140-2200A	3	1	3	12345678

- Note that the Impeller symbol now has a green tick instead of a red cross
- Data entry for this item is now complete
- Repeat entering the spare parts advice for remaining spare parts
- If you click on the next item your Advice quantities will be saved
- Click **OK** only after the last item has been completed.

Spare part advice

SPIR information
 Description: Q-1234 - Specimen Pump SPIR
 PO number: 12345678

Spare part information
 Equipment manufacturer
 Part number: 382662972
 Name mfr.: Pump Co
 Original manufacturer
 Part number: 855ABG
 Name mfr.: GASKET CO
 Description: Gasket spiral wnd 316 Inner & Outer ring
 Unit price: 50 EUR Last price update: 9/18/2001
 Delivery time: 4 Weeks mm/dd/yyyy

Spare part advice
 Supplier: Commission: 3 Initial: 3 Normal operation: 3

Items:

- 0001 - Impeller
- 0002 - Bearing, ball
- 0003 - Gasket spiral wnd 316 Inner & Outer ring
- 0004 - O-ring, viton 70SH
- 0005 - Speed Control Unit (complete)
- 0006 - Fuse, 12V, 2 A

Summary:
 7 Total no. of parts installed EACH

Eq Model/Type	No eqpt	No spares	Total	Client Eqpt. Purch. Order
Oil pump / 140-2200A	3	1	3	12345678
Water pump / 122-1010WA	2	2	4	12345678

Buttons: OK, Cancel, Save and next item

In this box the interchangeability can be seen of the gasket item 03 against the Oil pump and the Waterpump of this SPIR.

- When advice on all parts is completed, all symbols will be green.
- When all spare parts haven been attached to the equipment for possible use during its lifecycle and all advises have been entered the SPIRS will be complete.
- The Icon of the SPIR will also turn to green

E-SPiR - [Database: E_SPiR_Snorflo1.mdb]

File Edit Supplier Tables Reports Data Help Tools

Q-1234 - Specimen Pump SPIR

- Oil pump - 140-2200A
 - 0001 - Impeller
 - 0002 - Bearing, ball
 - 0003 - Gasket spiral wnd 316 Inner
 - 0004 - O-ring, viton 70SH
- Water pump - 122-1010WA
 - 0002 - Bearing, ball
 - 0003 - Gasket spiral wnd 316 Inner
- Speed Control Unit - 44444a
 - 0005 - Speed Control Unit (com
 - 0006 - Fuse, 12V, 2 A

Project name: Oiltopia Company: Topoil

Spare Part

Equipment manufacturer

Part number: 382662972

Name mfr.: Pump Co

Original manufacturer

Part number: 855ABG

Name mfr.: GASKET CO

Description: Gasket spiral wnd 316 Inner & Outer ring Unit price: 50.00 EUR

Drawing no.: 565600 Delivery time: 4 Weeks

Position no.: 6 Parts per unit: 1 EACH

Dimensions: DN200 CL150 Hazardous:

Material: Graphite Shelf life:

MFC extra info

Webaddresses (http://...) or File/Server location (F:\ or \\...):

Parts list: Go

Manufacturer drawings: Go

Maintenance manual: Go

OK

Close

Find

Edit spare

Advice

Total no. of SPIRS: 1

Ready

Enter your Company Logo

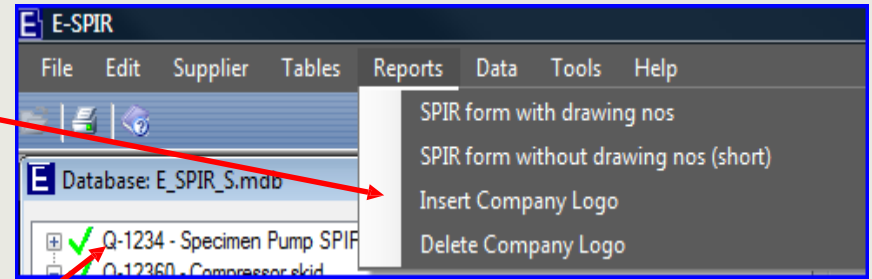
Your Company Logo can be entered in E-SPIR for presentation in its reports. The logo will not be sent to the Client in the exported ASCII file of the Supplier SPIR.

To enter a logo first copy the logo file to your copied E-SPIR data folder. The program will always retrieve the logo from this place.

Export the E-SPIR before printing

While exporting a SPIR, the revision number will increase from 0.00 to 1.00, or e.g. 1.00 to 2.00 for a revision. The SPIR report will have the same revision number when printed after the export.

- Select the relevant SPIR in the white box
- Click on menu bar **Reports** and select **SPIR Form with (1) or without (2) drawing nos.** Report (2) prints in less pages for major SPIRs with many identical spare parts installed.
- The screen below will appear:



Price adjustments

If your prices are standard ex works, you may consider to increase the spare parts price with e.g. 2% for delivery FOB.

- The price mark-up can **never** be seen by the customer, also not in the ASCII export file.
- Price adjustments will also not change prices on the screen and in the database (see page 35).

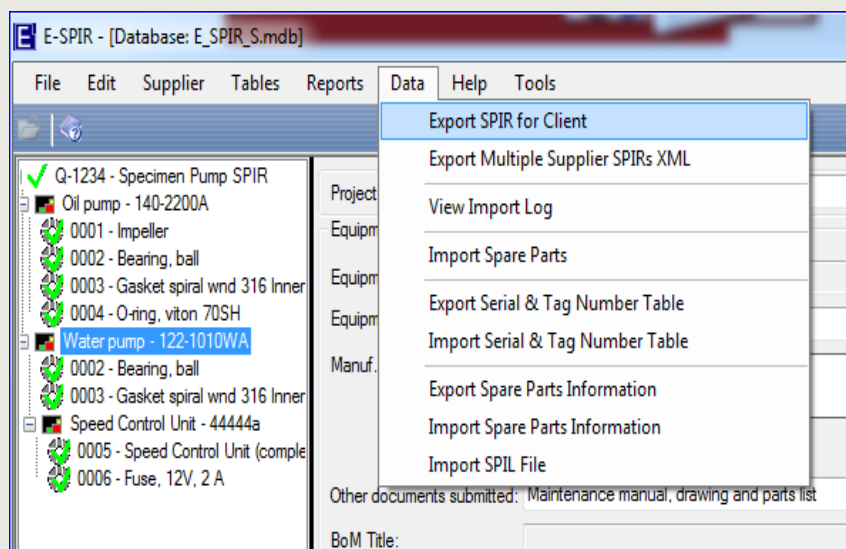
Currency

The currency selected for export will normally be the default currency used for the spare parts created. The currency of the total SPIR can be changed on this pop up screen for the print or export. To change the currency on the screen, go to page 34. Please first check the exchange rates in the system under tables.

Reason for revision

Only fill in if the SPIR has to be resubmitted. Remarks will be printed on the form.

- Click **OK** and follow the instructions on the next screen to print the SPIR form.



To export a SPIR, select the relevant SPIR in the white box.

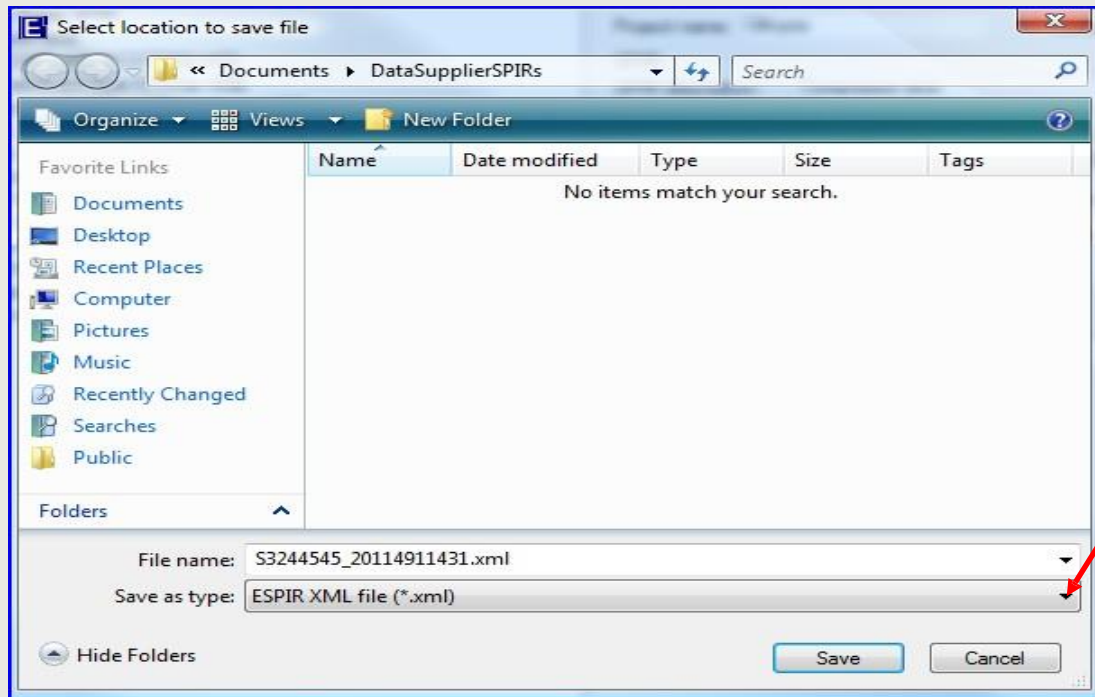
- Click **Data** and select **Export SPIR for Client**. The screen below will appear:

The pop-up screen is the same as described on the previous page when printing the SPIR

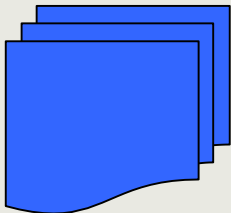
See comments on the previous page for Price adjustment, Currency and Reason for revision.

Click **OK** and select the location for the export file on the next screen.

 The 'Project properties' dialog box has a title bar with a close button. It contains a 'SPIR description:' field with the value 'Q-12360 - Compressor skid'. To the right are 'OK' and 'Close' buttons. Below is a 'SPIR properties' section with the following fields: 'Price adjustment:' with a value of '0' and a '%' symbol; 'Currency:' with a dropdown showing 'EUR' and a date '2005/04/13'; and a checkbox labeled 'Do not change' which is checked. There is a large text area for 'Reason for revision:'. At the bottom, a warning message reads: 'Warning: print E-SPIR before exporting file to ensure correct revision number on E-SPIR print'.



- Location (e.g. CD/DVD or job folder)
- Click **Save** and the file will be saved as a xml file. This is the standard file format. If the client is requesting ascii format this can be selected here.
- From here the file can be mailed or e-mailed.
- **Do not change** the file name, which is the Equipment P.O. no with a date & time stamp.
- Revisions of SPIRs should normally be sent by E-mail.



E-SPIR for the original equipment P.O. no xxxxxxxxxxxx.

Attn: Mr. Yyyyyyyyyyyyyy + address details.

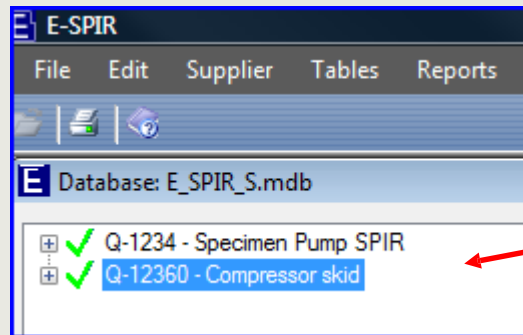
Please ensure that drawings and manuals are attached to the SPIR, if the relevant documentation is not linked electronically.

Notes:

- Do never change the exported xml or ascii file.
- Do not send different SPIRs under the same Purchase Order reference.

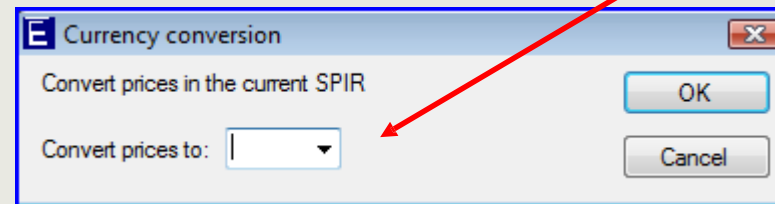
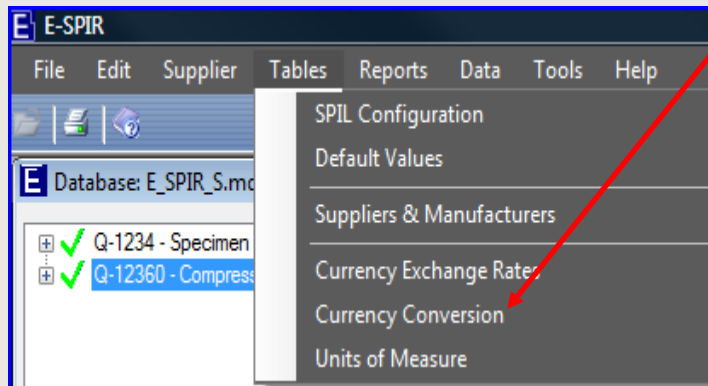
Before changing the currency you should understand the following:

- Currencies can be converted when you export your SPIR. In that event you do **not** see prices of the changed currency on the screens, but only on the SPIR print and in the export file.
- The currency of prices on the screen can be converted **per SPIR only** as described below. The currencies of prices on the print and in the export file of the same SPIR will not be converted. To change those currencies follow the instructions as per the instructions on pages 31-32. Also the currencies of identical items in your database and in other SPIRs will not be changed.
- Before changing a currency first check/adjust the exchange rate under Menu, tables and currencies.
- When you link a spare part to an E-SPIRs a copy item is made from the spare part in your database.



Currencies can be converted as follows:

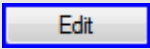
- Select the relevant SPIR in the white box.
- Go to the Menu bar, click on Tables and select Currency Conversion.
- Select the new currency with the drop down button and click **OK**



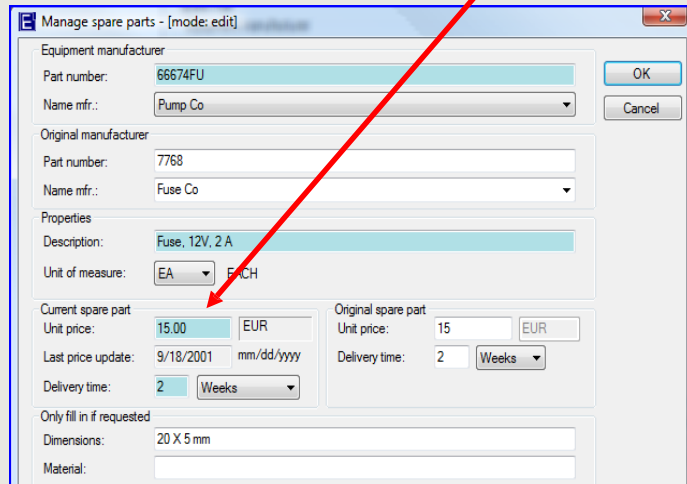
Before changing prices you should understand the following:

- Spare parts created or imported in the program become database items. They are not linked to SPIRs.
- When you link spare parts to SPIRs a copy item (SPIR item) is made from a database item.
- If you change the prices or delivery time of a SPIR item after a SPIR has been created, the database item will not change and visa versa.

Change a price

Highlight a spare part and click on 

The screen below will appear. You can change the price in this box



Manage spare parts - [mode: edit]

Equipment manufacturer:

Part number:

Name mfr.:

Original manufacturer:

Part number:

Name mfr.:

Properties

Description:

Unit of measure: EACH

Current spare part

Unit price: EUR

Last price update: mm/dd/yyyy

Delivery time: Weeks

Only fill in if requested

Dimensions:

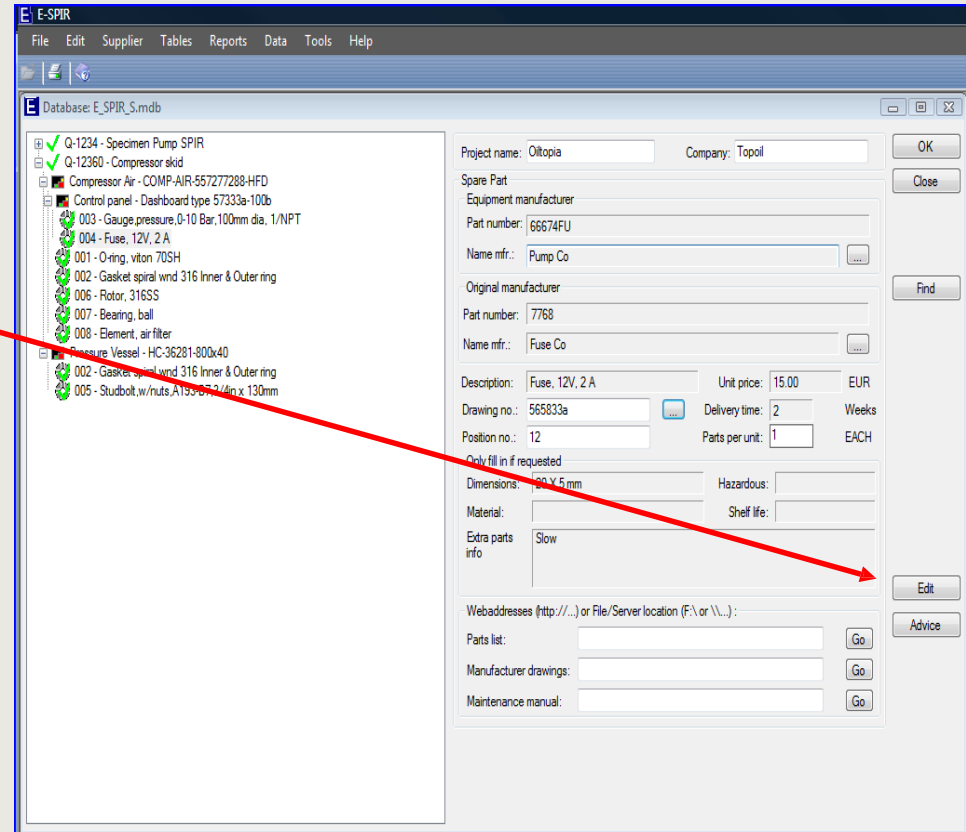
Material:

Original spare part

Unit price: EUR

Delivery time: Weeks

Buttons: OK, Cancel



E-SPIR

File Edit Supplier Tables Reports Data Tools Help

Database: E_SPIR_S.mdb

Project name: Company:

Spare Part

Equipment manufacturer:

Part number:

Name mfr.:

Original manufacturer:

Part number:

Name mfr.:

Description: Unit price: EUR

Drawing no.: Delivery time: Weeks

Position no.: Parts per unit: EACH

Only fill in if requested

Dimensions: Hazardous:

Material: Shelf life:

Extra parts info:

Webaddresses (http://...) or File/Server location (F:\ or \\...):

Parts list: Go

Manufacturer drawings: Go

Maintenance manual: Go

Buttons: OK, Close, Find, Edit, Advice

- Replacing complete Units might be cheaper for an operator than repairing the items onsite. In that event Suppliers should offer the complete main or sub-equipment as a spare part (see item 005)
- Alternatively set up both, main or sub-eqpt complete with Serial & Tag nos as described on pages 18-19 and a Spare Part Unit with the Eqpt. description as the Spare Part description and the Eqpt Model/type No. as the spare parts No.
- Thereafter add other spares as required to the sub equipment.
- Note:
For all bulk equipment at least one complete unit must be quoted as a spare part, by creating the unit as a spare part and attach it to the equipment.

The screenshot shows the E-SPiR software interface with the 'Speed Control Unit - 44444a' selected in the left-hand tree view. The right-hand pane displays the details for this sub-equipment item.

Project name: Oiltopia Company: Topoil

Equipment: Pump Co

Equipment manufacturer: Pump Co

Equipment description: Speed Control Unit

Manuf. Model/Type No.: 44444a

Other documents submitted: Maintenance manual, drawing and parts list

No. of sub units per main equipment: 1 Total no. of sub-units: 2

Bulk item: ☐

Equipment serial number	Tag number	Parent tag number
75298	SU-201	P-201
75299	SU-202	P-202

Buttons: OK, Close, Find, Add Sub-Equipment, Add spare part, Advice

The screenshot shows the E-SPiR software interface with the 'Speed Control Unit - 44444a' selected in the left-hand tree view. The right-hand pane displays the details for this spare part item.

Project name: Oiltopia Company: Topoil

Spare Part

Equipment manufacturer: Pump Co

Part number: 657745C

Equipment manufacturer: Pump Co

Part number: 44444a

Name mfr.: Speed Control Unit

Description: Speed Control Unit (complete)

Drawing no.: 565622

Position no.: 8

Unit price: 860.00 EUR

Delivery time: 6 Weeks

Parts per unit: 1 EACH

Dimensions:

Material:

MFC extra info:

Hazardous:

Shelf life:

Webaddresses (http://...) or File/Server location (F:\ or \\...):

Parts list:

Manufacturer drawings:

Maintenance manual:

Buttons: OK, Close, Find, Edit spare, Advice

Import (many) Tag numbers for one SPIR

If many Tag no data must be provided the details can be entered in an Excel Spreadsheet as follows:

- Enter the Description and Model/Type No.
- Enter the Number of (identical) units (e.g. 150)
- Tick the “Bulk item” box, do **not** fill in any Serial or Tag Number and click OK.
- Go to the Menu data and select:

Data	Help	Tools
Export SPIR for Client		
Export Multiple Supplier SPIRs XML		
View Import Log		
Import Spare Parts		
Export Serial & Tag Number Table		
Import Serial & Tag Number Table		
Export Spare Parts Information		
Import Spare Parts Information		
Import SPIL File		

Enter details in table

- While exporting an Excel spreadsheet as below is created, in which only the Equipment Serial & Tag numbers can be entered or updated. Do **not** add or delete any columns or rows in the spreadsheet.
- When completed go to the same Data Menu and select:

SPIR ref & SPIR description	Eqpt description	Eqpt Model/Type	Supplier Serial No (max 30 char)	TAG No (max 30 char)	ParentTAG
Do not change	Do not change	Do not change	Can be changed	Can be changed	Do not change
22222222 - Compressor	Speed Control Unit	44444a	-	-	CS-6001
22222222 - Compressor	Speed Control Unit	44444a	-	-	CS-6001
22222222 - Compressor	Speed Control Unit	44444a	-	-	CS-6002
22222222 - Compressor	Speed Control Unit	44444a	-	-	CS-6002

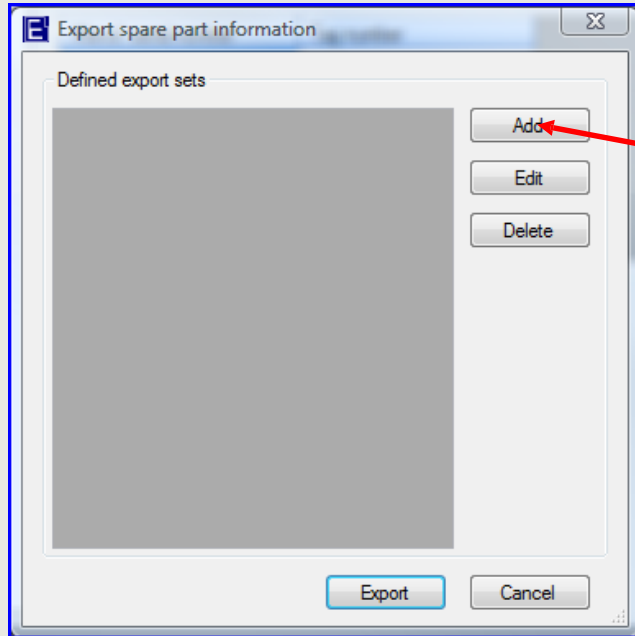
- By returning to the E-SPIR program you will see the Equipment & Tag numbers loaded.

Many Sub-equipment TAG numbers

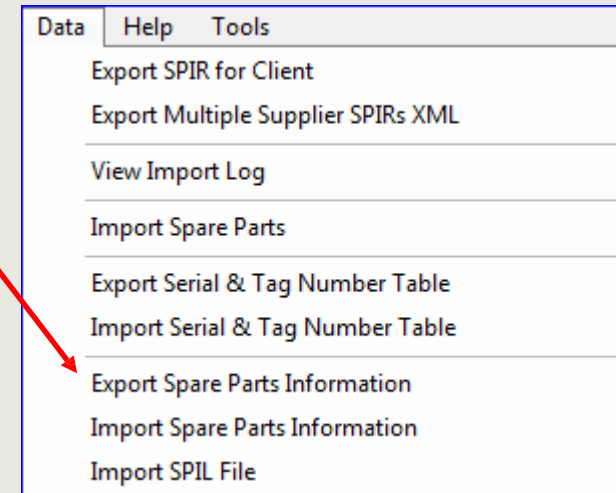
- For sub-equipment the same procedure can be repeated. First import the main equipment Tag numbers. Thereafter Sub-equipment Tag number data can be entered in the newly exported spreadsheet, whereby the main equipment Tag numbers are presented in the column **ParentTAG**.

Create a spreadsheet with spare parts details for one SPIR

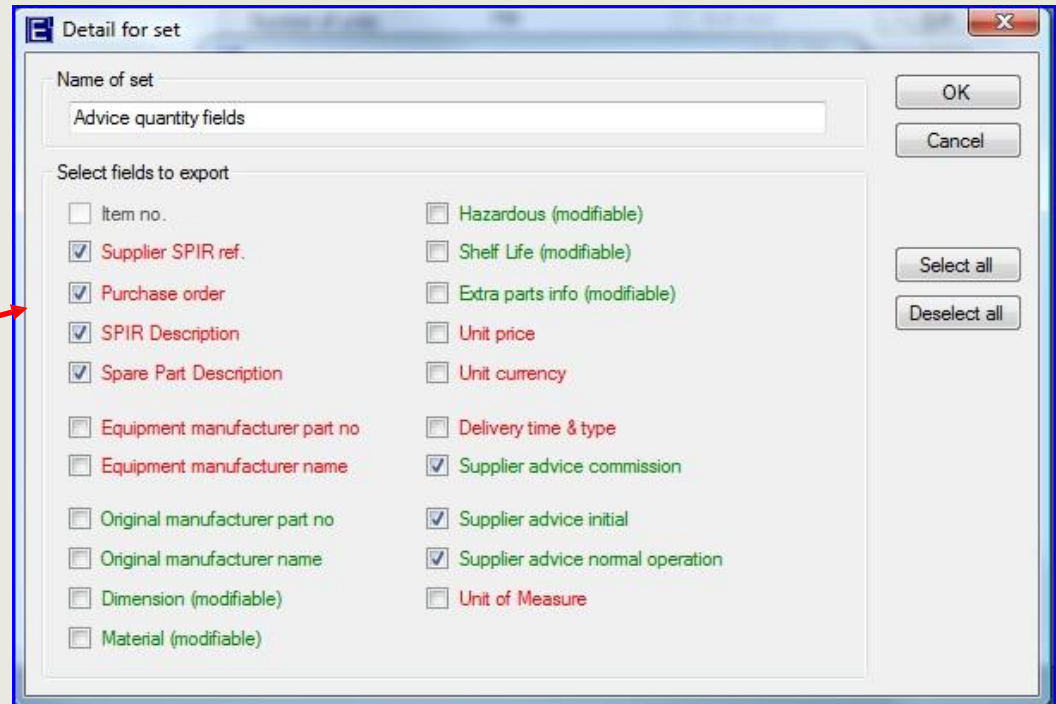
Spare parts details can be updated in an Excel spreadsheet outside the program. The fields which can be updated are limited to sub-suppliers information, optional fields and the Advice quantities.

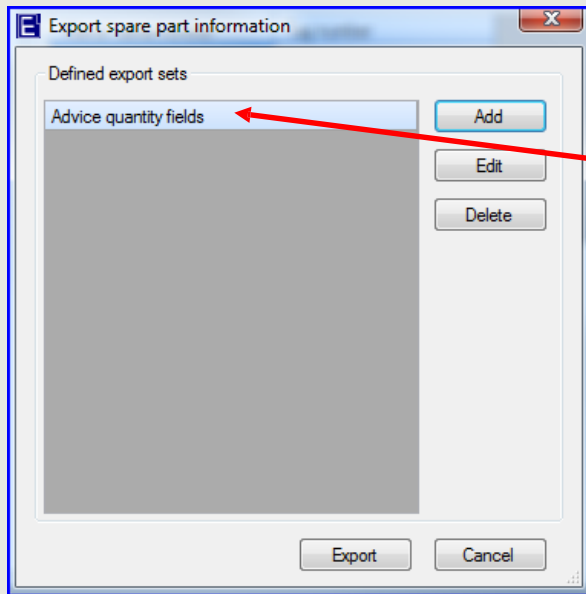


- Click on Export Spare Parts Information and the screen on the right pops up.
- Click on Add and the screen below pops up.



- Tick the boxes of the fields you wish to update
- Give a name for the set of export fields (various different spreadsheet can be created under different names).
- Click **OK** and go to next page





Update spreadsheet spare parts details for one SPIR

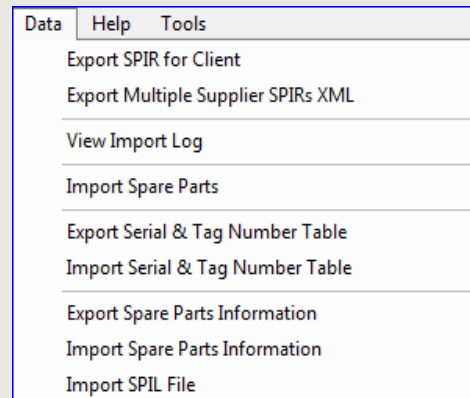
- The previous popup screen is shown again with the name of the spreadsheet.
- Select the name of the set and click **OK**
- Thereafter an Excel spreadsheet as below is created

Enter details in table

- Data can be entered or updated in the green fields only.
- Do **not** add or delete any columns or rows in the spreadsheet.

Item no	Supplier SPIR ref	Equip Purch Order	SPIR description	Spare Part Description	Supplier commission	Supplier initial	Supplier norm
Do not change	Do not change	Do not change	Do not change	Can be changed	Can be changed	Can be changed	Can be changed
1	Q-1234	12345678	Specimen Pump SPIR	Impeller	2	2	2
2	Q-1234	12345678	Specimen Pump SPIR	Bearing, ball	0	0	2
3	Q-1234	12345678	Specimen Pump SPIR	Gasket spiral wnd 316 Inner & Outer ring	3	3	3
4	Q-1234	12345678	Specimen Pump SPIR	O-ring, viton 70SH	3	3	3
5	Q-1234	12345678	Specimen Pump SPIR	Speed Control Unit (complete)	0	0	1
6	Q-1234	12345678	Specimen Pump SPIR	Fuse, 12V, 2 A	2	2	4

- When completed go to the Data Menu and select:

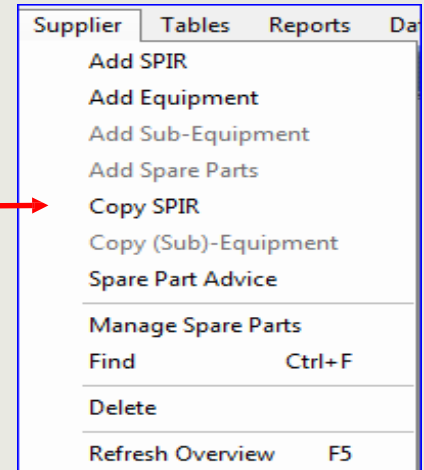


After import of the spreadsheet the spare parts fields in the SPIR will have been updated with the data from the spreadsheet.

Before copying SPIRs or Equipment with their spare parts you should understand the difference between database items and items linked to SPIRs: Please read pages 34.

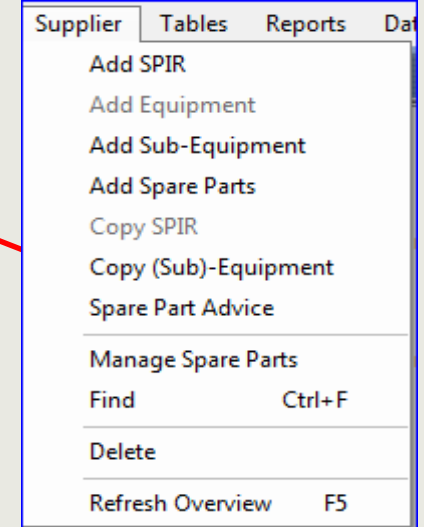
Copy SPIR

- Highlight the SPIR to be copied with your mouse.
- Click on the right mouse button and select the Copy Spir option
- A pop up screen will appear to the enter a new SPIR name.
- Equipment information such as serial and Tag numbers need to be re-entered
- The quantities of equipment in the copied SPIR might be different form the original SPIR. Therefore the quantities for Advice might have to be revised.



Copy equipment

- Highlight the equipment in the SPIR to be copied with your mouse.
- Click on the right mouse button and select the Copy (Sub)-Equipment option
- A pop up screen will appear to the guide you to the target SPIR or equipment for the equipment to be copied.
- Equipment information such as serial and Tag numbers need to be re-entered
- The quantities of equipment in the copied SPIR might be different form the original SPIR. Therefore the quantities for Advice might have to be revised.



Currency, prices and delivery times

Warning: When you copy a SPIR and/or equipment complete with spare parts, the currency, prices and delivery times will be the same as those from the original database item and **not** from the SPIR copied (see page 34 for details).

Importing a spare parts list in the database

Spare parts listings can be imported in your E-SPIR next database with an Excel file. Once these spare parts are imported they can be linked to equipment for which SPIRs are required.

It is suggested to use the specimen import file [Spare parts upload supplier.xls](#) available in the E-SPIR next data folder. The Column Headings show the field lengths and which fields are mandatory or optional.

	A	B	C	E	F	G	H	I	J	K	L	M	O	Q
1	Mandatory	Optional	Optional	Mandatory	Optional	Optional	Optional	Mandatory	Mandatory	Mandatory	Mandatory	Optional	Mandatory	Optional
2	Description (component)	Orig Manuf. Name	O M Part No.	UOM	Dimensions	Hazardous	Shelf Life	Equip Man Part No.	Currency	Unit Price	Supplier	Additional Information	Delivery	Material
3	40 characters	30 characters	40 characters	3 characters	32 characters	40 characters	18 characters	40 characters	3 characters	16 characters	30 characters	60 characters	(wks)3char	40 characters
4														
5	Terminal unit			EA				23AB86HK61GP22679	EUR	1140.52	Skidco	Surface mounted	8	
6	Converter, 24VDC-300MA	Calco	AB0009HE	EA				23AB86HK61GP22532	EUR	1860.32	Skidco		8	Forged/Monel
7	Performance controller			EA				23AB86HK61GP22238	EUR	6606.63	Skidco	Certified	8	Forged/Monel
8	Antisurge controller			EA				23AB86HK61GP22091	EUR	186.87	Skidco	Wall mounted/100	8	
9	Gasket, paper	Paper Cy	24-555-PAP	SET			24	37AB86HK65GH42944	EUR	145.15	Skidco		4	
10	Mechanical seal, SIC/Carbon	Sealco	12.3444.MS	EA				37DB43SF65GH42797	EUR	7493.72	Skidco		8	
11	Seeger ring			EA				23AB86HK65GH42650	EUR	358.71	Skidco		8	Oil resistant
12	Foam pump	Pumpco	25HS38	EA				23AB86HK65GH42503	EUR	1788.73	Skidco		8	CS housing
13	Control thermo heater			EA	+80 to +120			23AB86HK65GH42356	EUR	794.87	Skidco	Thermowell mounted	8	
14	Overtemp.limiter heater			EA	+120 to +160			23AB86HK65GH42209	EUR	216.31	Skidco	Thermowell mounted	8	
15	Flex coupling element,			EA	-40 to +40		24	23AB86HK65GH42062	EUR	637.75	Skidco		8	
16	Oil skim scraper	Pumpco	AC65-8#38	EA				AB86HKDB43SF50621	EUR	6852.15	Skidco		12	
17	Casing wear ring	Bearingco	2306-AZ	EA	Ø325/306X60mm			AB86HKDB43SF50474	EUR	727.35	Skidco		12	St. Steel Aisi 316
18	Bearing, Ball	Bearingco	1234-AB	EA	12x14x133			37DB43SF61GP22327	EUR	376.94	Skidco		4	
19														
20														

The following notes must be observed:

- 1: The Suppliers spare parts table must contain a Currency code and Unit of Measure such as EA (each), M (meter), etc. These codes **must** be the same as used in this E-SPIR program (refer to tables, Currencies and Units of Measure).
- 2: Each spare part must start on a new line. The first 4 column headings will be ignored during import.

The *.xls file with the mandatory fields completed can be imported in E-SPIR under the menu bar Data, Import spare parts.

During the upload process the program will create a log file, presenting upload errors and data changes for values already existing in the database. The log file will present the old and new values. The log file can be found in the same directory from where which the import file was imported. The log file name is equal to the import file with the extension "log".

Changes in E-SPIR *Next* version 8.60 compared with version 7

Windows 10 / 11

Program V8.60 is ready for installation under Windows 10 and Windows 11.

Upload SPIL

Complete SPIL's can now be uploaded, including the link spare part to Equipment.

Technical information

After installing the E-SPIR program the following files are listed in the subsequent directory.

If you have any questions about the installation of E-SPIR please check with E-PIR.Helpdesk@Mainpro.com

\\Program Files (x86)\\E-SPIR Next Supplier V8.60				
	DataSupplierSPIRs	6/14/2015 2:19 PM	File folder	
	adodb.dll	6/9/2015 2:49 PM	Application extens...	108 KB
	End User License Agreement Supplier.txt	6/9/2015 2:49 PM	Text Document	2 KB
	Espir.exe	6/9/2015 2:49 PM	Application	2,407 KB
	Espir.exe.config	6/9/2015 2:49 PM	CONFIG File	6 KB
	e-spir.ico	6/9/2015 2:49 PM	Icon	1 KB
	Espir_Business.dll	6/9/2015 2:49 PM	Application extens...	595 KB
	Espir_Data.dll	6/9/2015 2:49 PM	Application extens...	564 KB
	Espir_Properties.dll	6/9/2015 2:49 PM	Application extens...	209 KB
	E-SPIRnext Supplier 8.31 Guide.pdf	6/9/2015 2:49 PM	Adobe Acrobat D...	1,524 KB
	Example currency update.xls	6/9/2015 2:49 PM	Microsoft Excel 97...	38 KB
	Microsoft.Office.Interop.Excel.dll	6/9/2015 2:49 PM	Application extens...	1,247 KB
	Microsoft.Office.Interop.Outlook.dll	6/9/2015 2:49 PM	Application extens...	899 KB
	Microsoft.Vbe.Interop.dll	6/9/2015 2:49 PM	Application extens...	63 KB
	office.dll	6/9/2015 2:49 PM	Application extens...	407 KB
	Sample_SPIL.xls	6/9/2015 2:49 PM	Microsoft Excel 97...	73 KB
	Spare parts upload Supplier.xls	6/9/2015 2:49 PM	Microsoft Excel 97...	37 KB
	stdole.dll	6/9/2015 2:49 PM	Application extens...	22 KB
	SupDraw.xlt	4/15/2015 10:10 PM	Microsoft Excel Te...	64 KB