

PLM Functional Analysis

Scope of this document

This document aims to display the functionality to be implemented in the new PLM system.

It will detail all the activities that are core to the process as well as support functionalities such as master objects management and security administration.

PLM functionalities

- **Master objects management**
 - Vehicles
 - Locations
 - Distances
 - Companies
 - Persons
 - Cost centers
- **Security administration**
 - User administration
 - Groups
 - Permissions
- **Process workflow**
 - Trip planning
 - Time registry
 - People manifest
 - People location
 - Vehicule unavailability
 - Fuel consumption record

Process Workflow

- Trip planning
- Time Registry
- Trip manifest
- People location
- Vehicle unavailability
- Fuel consumption record

These support the flight process. The only requirement is the Trip planning, The rest of the activities can be triggered in any order according to the order of documents recieved.

Trip planning

Here the logistic assistant will be able to schedule the flights for future dates or make changes on current flight plants.

Once a daily plan is closed all further changes will be kept track of, so future reports can compare the planned schedule versus the executed plan.

Each trip to be scheduled consists on a vehicle, a origin and a list of destinations.

Trip planning 0/4

Trip Planning

PERENCO

Welcome, User: [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Trips > 2010/03/10

TRIP SCHEDULING

Pick a date: 2010/03/10

New trip

Vehicle: Vehicle 1

Origin: LBC

Description:

Create Close plan for date

TRIPS SCHEDULED FOR 2010-03-10

Kanov (ABC-123)

#	Description	Stretches	Actions
1	Trasteos LBC - Piraña 1	5	Edit Delete
2	Trasteos Dorado 2	12	Edit Delete

Total of 17 stretches

Sikorsky (XYZ-456)

#	Description	Stretches	Actions
1	Trasteos LBC - Paiche 3	8	Edit Delete
2	Materiales LBC - Piraña 3	4	Edit Delete
3	Trasteos Dorado 1	9	Edit Delete

Total of 21 stretches

Workflow:

1. Choose a date
2. Create or edit a trip
3. Complete information on trip
4. Add/remove stretches
5. Save the information
6. Discard unwanted trips
7. Close the plan for the date

Trip 5

PERENCO

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Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Trips > 2010/03/10 > 5

TRIP # 5

Vehicle: Kanov (ABC-123)

Origin: LBC

Description: Trasteos LBC - Piraña 1 y 2

Estimated time: 12:48 PM

Estimated duration: 2h 30m

(Format example: 1d 2h 35m)

Stretches:

Destination: Choose destination Add stretch


Origin	Destination	Actions
LBC	Piraña 1	
Piraña 1	Piraña 2	
Piraña 1	Piraña 2	
Piraña 1	Piraña 2	
Piraña 2	LBC	Delete

Save

Trip planning 1/4

Trip Planning

← → × ↶


PERENCO 

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > 2010/03/10

TRIP SCHEDULING

Pick a date: 

New trip

Vehicle: ▼

Origin: ▼

Description:

TRIPS SCHEDULED FOR 2010-03-10

Kamov (ABC-123)

#	Description	Stretches	Actions
1	Trasteos LBC - Piraña 1	5	Edit Delete
2	Trasteos Dorado 2	12	Edit Delete

Total of 17 stretches

Sikorsky (XYZ-456)

#	Description	Stretches	Actions
1	Trasteos LBC - Paiche 3	8	Edit Delete
2	Materiales LBC - Piraña 3	4	Edit Delete
3	Trasteos Dorado 1	9	Edit Delete

Total of 21 stretches

1

Here the date is chosen for the trips to be planned.

The page reloads showing any trips planned for the chosen date.


2

Here the minimal data for creating a new planned trip is entered: a vehicle, a location of origin and a description for the trip

2

Once the information for the 3 fields required for creating a new trip is entered, the **Create** button let the user create a new trip.

Trip planning 2/4

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [2010/03/10](#) > 5

TRIP # 5
Vehicle: Kamov (ABC-123)
Origin: LBC
Description:

Estimated time:

Estimated duration:

(Format example: 1d 2h 35m)

Stretches:
Destination:

Origin	Destination	Actions
LBC	Piraña 1	
Piraña 1	Piraña 2	
Piraña 1	Piraña 2	
Piraña 1	Piraña 2	
Piraña 2	LBC	Delete

3

Complete the information about the trip such as the estimated departure time and duration.

5

Save the information on the planned trip.

4

Here the user chooses a destination and adds and removes stretches in order to have as many as the trip needs and listed in the correct order.

Trip planning 3/4

The screenshot shows a web browser window titled "Trip Planning" with the URL <http://pe.perenco.com/plm/trips/2010/03/10/>. The page header includes the PERENCO logo and a "Welcome, User" message with a [Close session](#) link. A navigation bar contains links for Scheduling, Times, Manifests, Fuel, Unavailability, and Personnel Location. The main content area is titled "TRIP SCHEDULING" and shows the date "2010/03/10". On the left, there is a "New trip" form with fields for Vehicle (Vehicle 1), Origin (LBC), and Description. On the right, a table titled "TRIPS SCHEDULED FOR 2010-03-10" lists trips for Kamov (ABC-123) and Sikorsky. A confirmation dialog is displayed over the table, asking "Are you sure you want to discard trip #3?" with "Yes" and "No" buttons. A blue arrow points from the "No" button to a text box at the bottom of the slide.

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > 2010/03/10

TRIP SCHEDULING

Pick a date: 2010/03/10

New trip

Vehicle: Vehicle 1

Origin: LBC

Description:

Create Close plan for the date

TRIPS SCHEDULED FOR 2010-03-10

Kamov (ABC-123)

#	Description	Stretches	Actions
1	Trasteos LBC - Piraña 1	5	Edit Delete
2	Discard trip #8? (Materiales LBC - Piraña 3)		
Total of 21 stretches			

Sikorsky

#	Description	Stretches	Actions
1			
2	Materiales LBC - Piraña 3	4	Edit Delete
3	Trasteos Dorado 1	9	Edit Delete
Total of 21 stretches			

Are you sure you want to discard trip #3?

Yes No

6

The user chooses the trip that needs to be discarded or canceled and confirms or cancels the operation.

Trip planning 4/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > 2010/03/10

TRIP SCHEDULING

Pick a date: 2010/03/10

New trip

Vehicle: Vehicle 1

Origin: LBC

Description:

Create Close plan for date

TRIPS SCHEDULED FOR 2010-03-10

Kamov (ABC-123)

#	Description	Stretches	Actions
1	Trasteos LBC - Piraña 1	5	Edit Delete
2	Trasteos Dorado 2	12	Edit Delete

Total of 17 stretches

Sikorsky (XYZ-456)

#	Description	Stretches	Actions
1	Trasteos LBC - Paiche 3	8	Edit Delete
2	Materiales LBC - Piraña 3	4	Edit Delete
3	Trasteos Dorado 1	9	Edit Delete

Total of 21 stretches

7 Once all trips needed are planned the plan can be “closed” so any last minute changes can be compared to the plan in the reports.

The current plan at the moment of closing it will be stored separately as a baseline for future comparisons to the executed (modified) plan.


Radio operator time registry

The radio operator will record the different times involved with executed flights as they occur.

If a flight does not appear in the system's list, he should report and ask the logistic assistant to create a new flight to record times.

Radio operator 0/1


Trip Planning

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [Time](#) > 2010/02/18

RADIO-OPERATOR RECORDS

Pick a date: 

KAMOV (ABC-123)

Trip #1: Description here


x	Origin	Destination	Eng. Start	Decolage	Departure	Arrival	Landing	Eng. stop	Cargo (Kg)	Pas. (Kg)	Num. Pas.	Cargo type	Fuel	Notes
1	LBC	DO1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
2	DO1	DO2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
3	DO2	DO3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
4	DO3	DO4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
5	DO4	LBC	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>

Workflow:

1. Choose a date
2. Fill information
3. Save data

Radio operator 1/1


Trip Planning

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [Time](#) > 2010/02/18

RADIO-OPERATOR RECORDS

Pick a date: 2010/02/18 

KAMOV (ABC-123)

Trip #1: Description here

x	Origin	Destination	Eng. Start	Decolage	Departure	Arrival	Landing	Eng.stop	Cargo (Kg)	Pas. (Kg)	Num. Pas.	Cargo type	Fuel	Notes
1	LBC	DO1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
2	DO1	DO2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
3	DO2	DO3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
4	DO3	DO4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>
5	DO4	LBC	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Ext. ▾	<input type="checkbox"/>	<input type="text"/>

3 The user can save the information already filled at any time he wishes. Automatic saves occur every 2 minutes

1 Here the date is chosen for filling in information on the stretches

The page reloads showing any records for the chosen date.

2 Here the user fills the information about times, number of passengers, Type of cargo, fuel recharge And any additional notes available on every stretch of the day

If the operator can't find an executed flight in the list. He must notify the logistic assistant to schedule the flight in the system.


People manifest

Here the logistic assistant will enter the flights manifest with detailed information about that each flight transported (passengers and cargo) as well as the flight's crew.

This is the base information for most of the reports as specifies the cost center and company for each kilogram transported which will be the driver for most calculations.

Trip manifest 0/2

Trip Manifests

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > Manifests

Filters

Pick a vehicle:

Pick a date:

TRIP #30: Traslados LBC - Donado 4


Stretch	Origin	Destination	Start	End
1	LBC	Donado 1	07:45	07:59
2	Donado 1	Donado 2	08:05	08:19
3	Donado 2	Donado 4	08:20	08:32
4	Donado 4	LBC	08:35	08:50

[Edit manifest](#)

Workflow:

1. Filter a trip by date and vehicle
2. Choose a trip and edit the manifest
3. Fill in tripulation information
4. Fill in passenger information
5. Fill in cargo information
6. Save the manifest

Trip Manifests

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > Manifests > [2010/02/18](#) > 30

STRETCHES

Number	Origin	Destination
1	LBC	Donado 1
2	Donado 1	Donado 2
3	Donado 2	Donado 4
4	Donado 4	LBC

CREW

Document	Document type	Name	Weight (Kg)	Job	Company	Pos. name	Delete
30456781	<input type="text" value="DNT"/>	Juan Perez	80	<input type="text" value="Pilot"/>	Helikop	<input type="checkbox"/>	<input type="checkbox"/>
02765420	<input type="text" value="DNT"/>	Alfonso Robles	72	<input type="text" value="Crewman"/>	Helikop	<input type="checkbox"/>	<input type="checkbox"/>

PASSENGERS

Document	Document type	Name	Weight (Kg)	Company	Cost Center	Orig. Stretch	Dest. Stretch	Delete
10723261	<input type="text" value="DNT"/>	Rosendo Martinez	94	Perenco	CC-0001	1 (LBC)	2 (BO2)	<input type="checkbox"/>
00232123	<input type="text" value="DNT"/>	Roger Zamudio	89	Perenco	CC-0028	2 (BO1)	3 (BO1)	<input type="checkbox"/>

CARGO

Description	Weight (Kg)	Company	Cost Center	Orig. Stretch	Dest. Stretch	Delete
Materia 1	850	Perenco	CC-0001	1 (LBC)	3 (BO1)	<input type="checkbox"/>
Materia 2	1340	Perenco	CC-0128	2 (BO1)	4 (LBC)	<input type="checkbox"/>

[Back to the trip listing](#)

Trip manifest 1/2

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > Manifests

Filters

Pick a vehicle: Kamov (ABC-123) ▼

Pick a date: 2010/ 02/ 18

Filter trips

TRIP #30: Trasteos LBC - Dorado 4

Stretch.	Origin	Destination	Start	End
1	LBC	Dorado 1	07:45	07:59
2	Dorado 1	Dorado 2	08:05	08:19
3	Dorado 2	Dorado 4	08:20	08:32
4	Dorado 4	LBC	08:35	08:50

[Edit manifest](#)

1

Here the user filters a set of trips by date and vehicle


2

Clicking here the user goes to a separate page for editing the contents of the manifests for the selected trip.

2

A table with basic stretch information such as origin, destination and start end end time is presented for the trips of vehicle selected

Trip manifest 2/2

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Trips > Manifests > 2010/02/18 > 10

STRETCHES

Number	Origin	Destination
1	LBC	Dorado 1
2	Dorado 1	Dorado 2
3	Dorado 2	Dorado 4
4	Dorado 4	LBC

Save manifest

CREW

Document	Document type	Name	Weight (Kg)	Job	Company	Pas. seat	Delete
40456781	DNI	Juan Perez	80	Pilot	Helinka	<input type="checkbox"/>	<input type="checkbox"/>
02765420	DNI	Alberto Robles	72	Crewman	Helinka	<input type="checkbox"/>	<input type="checkbox"/>

Add more

PASSENGERS

Document	Document type	Name	Weight (Kg)	Company	Cost Center	Orig. Stretch	Dst. Stretch	Delete
10723261	DNI	Ricardo Martins	94	Petrex	CC-0001	1 (LBC)	2 (DO2)	<input type="checkbox"/>
00232123	DNI	Roger Zamudio	83	Perenco	CC-0128	2 (DO1)	3 (DO4)	<input type="checkbox"/>

Add more

CARGO

Description	Weight (Kg)	Company	Cost Center	Orig. Stretch	Dst. Stretch	Delete
Materials 1	850	Perenco	CC-0001	1 (LBC)	3 (DO4)	<input type="checkbox"/>
Materials 2	1340	Petrex	CC-0128	2 (DO1)	4 (LBC)	<input type="checkbox"/>

Add more

[Back to the trip listing](#)

6 Here the user filters a set of trips by date and vehicle

3 Here the user adds or removes tripulation members

4 Here the user adds or removes passengers

5 Here the user adds or removes cargo items

NOTE: Crew, passengers and cargo edit boxes present autocompletion functionality

Fuel consumption record

At the end of the day, the logistics assistant receives a document for each vehicle that flight on that day that displays the fuel consumption for each stretch flight.


This screen allows him to enter this data which will be distributed in the reports to charge each cost center and company.

Fuel consumption record 0/2

Workflow:

1. Choose a date
2. Choose a vehicle
3. Edit records for the vehicle
4. Fill fuel consumption in stretches
5. Save the information


Fuel Records for 2010-02-18

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [Fuel records](#) > 2010-02-18

Filters

Pick a date: 2010/02/18 

KAMOV (ABC-123)

Stretch	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Equitas (Gallons)
1	LBC	Dorado 1	07:45	07:59	300	0	0
2	Dorado 1	Dorado 2	08:05	08:19	0	200	0
3	Dorado 2	Dorado 4	08:20	08:32	0	0	0
4	Dorado 4	LBC	08:35	08:50	0	0	75


[Edit fuel consumption records](#)

Sikorsky (XYZ-456)

Stretch	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Equitas (Gallons)
1	LBC	Pirafra 1	13:48	13:59	0	0	100
2	Pirafra 1	Pirafra 2	14:05	14:19	0	0	0
3	Pirafra 2	Pirafra 1	14:19	14:33	0	800	0
4	Pirafra 1	Pirafra 2	14:33	14:49	0	0	0
5	Pirafra 2	LBC	14:52	15:04	0	80	0

[Edit fuel consumption records](#)

Fuel Records for 2010-02-18

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [Fuel records](#) > 2010-02-18 > KAMOV (ABC-123)

KAMOV (ABC-123)

Stretch	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Equitas (Gallons)
1	LBC	Dorado 1	07:45	07:59	300		
2	Dorado 1	Dorado 2	08:05	08:19		200	
3	Dorado 2	Dorado 4	08:20	08:32			
4	Dorado 4	LBC	08:35	08:50			75

[Save fuel records](#)

Fuel consumption record 1/2

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Trips > Fuel records > 2010-02-18

Filters
Pick a date: 2010/02/18

KAMOV (ABC-123)

Stretch.	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Iquitas (Gallons)
1	LBC	Dorado 1	07:45	07:59	300	0	0
2	Dorado 1	Dorado 2	08:05	08:19. 0	0	200	0
3	Dorado 2	Dorado 4	08:20	08:32	0	0	0
4	Dorado 4	LBC	08:35	08:50	0	0	75

[Edit fuel consumption records](#)

Silersky (XYZ-456)

Stretch.	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Iquitas (Gallons)
1	LBC	Pirafña 1	13:45	13:59	0	0	100
2	Pirafña	Pirafña 2	14:05	14:19. 0	0	0	0
3	Pirafña 2	Pirafña 1	14:19	14:33	0	800	0
4	Pirafña 1	Pirafña 2	14:31	14:49	0	0	0
5	Pirafña 2	LBC	14:52	15:04	0	80	0

[Edit fuel consumption records](#)


1 Here a date is chosen.
The vehicles with trips in that date are shown.

2 For each vehicle a list of stretches is presented featuring the times and fuel consumption of each possible kind.

3 Clicking here the user goes to a separate page for editing the fuel consumption records for the stretches of the chosen vehicle.

Fuel consumption record 2/2

Fuel Records for 2010-02-18

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Trips](#) > [Fuel records](#) > [2010-02-18](#) > KAMOV (ABC-123)

KAMOV (ABC-123)

Stretch	Origin	Destination	Start	End	Billable (Gallons)	Non-Billable (Gallons)	Equitos (Gallons)
1	LBC	Dorado 1	07:45	07:59	<input type="text" value="300"/>	<input type="text"/>	<input type="text"/>
2	Dorado 1	Dorado 2	08:05	08:19	<input type="text"/>	<input type="text" value="200"/>	<input type="text"/>
3	Dorado 2	Dorado 4	08:20	08:32	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	Dorado 4	LBC	08:35	08:50	<input type="text"/>	<input type="text"/>	<input type="text" value="75"/>

5 Save the information. And returns to the previous list

4 Fill the fuel consumption of each stretch in gallons In the place corresponding to each kind of record

Vehicle unavailability

This screens allow Perenco to register each time a vehicle is unable to perform a flight for different reasons.

These times are being kept track of to bill the vehicle provider at the end of each month. The translation from time to money is performed outside of the system as it is negotiated with each provider.

Vehicle unavailability 0/2

The screenshot shows the 'Vehicle unavailabilities' page of the PERENCO system. The browser address bar displays 'http://pe.perenco.com/plm/vehicles/unavailabilities/'. The page features a navigation menu with 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below the menu, there's a breadcrumb trail 'Home > Vehicles > Unavailabilities' and a 'Vehicle unavailabilities' section. This section includes a 'Filters' box with a 'Vehicle' dropdown set to 'Any vehicle', and 'Start' and 'End' date pickers both set to '2010/03/10'. A table lists three unavailability records:

Id	Vehicle	Plate	Start	End	Actions
1	Twin Otter	ABC-123	2010/03/02 10:30 AM	2010/03/02 04:15 PM	Edit Delete
2	Kamov	XYZ-567	2010/04/13 02:48 PM	2010/04/15 09:05 AM	Edit Delete
3	Sikorsky	IQ-2213	2010/04/22 12:48 PM	2010/04/22 03:02 PM	Edit Delete

Below the table is a link 'New vehicle unavailability'.

Workflow:

1. Filter existing records
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records

The screenshot shows the 'Edit vehicle unavailability #3' page. The browser address bar displays 'http://pe.perenco.com/plm/vehicle/unavailability/new'. The page features a navigation menu with 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below the menu, there's a breadcrumb trail 'Home > Vehicles > Unavailability > 3' and an 'Edit vehicle unavailability #3' section. This section includes a 'Vehicle' dropdown set to 'Sikorsky', 'Start' and 'End' date pickers set to '2010/04/22' with times '12:48 PM' and '03:02 AM' respectively, and a 'Notes' text area containing 'Mechanical problems'. At the bottom, there are 'Save' and 'Back to the list' buttons.

Vehicle unavailability 1/4

Vehicle unavailabilities

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Vehicles](#) > Unavailabilities

Vehicle unavailabilities

Filters

Vehicle: Any vehicle Start: 2010/03/10 End: 2010/03/10

Id	Vehicle	Plate	Start	End	Actions
1	Twin Otter	ABC-123	2010/03/02 10:30 AM	2010/03/02 04:15 PM	Edit Delete
2	Kamov	XYZ-567	2010/04/13 02:48 PM	2010/04/15 09:05 AM	Edit Delete
3	Sikorsky	IQ-2213	2010/04/22 12:48 PM	2010/04/22 03:02 PM	Edit Delete

[New vehicle unavailability](#)

1

Filter existing records by vehicle and date range

2

Create a new vehicle unavailability record

2

Alternatively, edit an existing record

Vehicle unavailability 2/4

The screenshot shows a web browser window titled 'Vehicle unavailability' with the URL 'http://pe.perenco.com/plm/vehicle/unavailability/new'. The PERENCO logo is in the top left, and a welcome message 'Welcome, User' with a 'Close session' link is in the top right. A navigation bar contains links for 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below this is a breadcrumb trail: 'Home > Vehicles > Unavailability > New'. The main form area is titled 'New vehicle unavailability' and contains the following fields:

- Vehicle:** A dropdown menu with the text 'Choose vehicle'.
- Start:** A date and time selection field with a calendar icon, a time input box, and an 'AM' dropdown.
- End:** A date and time selection field with a calendar icon, a time input box, and an 'AM' dropdown.
- Notes:** A large text area for entering notes.

At the bottom of the form are a 'Save' button and a 'Back to the list' link.

3 Here the user chooses a vehicle and fills the date and time for the start and the end of the uavailability optionally including notes.

4 Save the information on the unavailability

Vehicle unavailability 3/4

Vehicle unavailability

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Vehicles](#) > [Unavailability](#) > 3

Edit vehicle unavailability #3

Vehicle:

Start:

End:

Notes:

[Back to the list](#)

3 Here the use edits the vehicle and replaces the date and time for the start and the end of the uavailability optionally including notes.

4 Save the edited information on the unavailability

Vehicle unavailability 4/4

The screenshot shows a web browser window with the URL <http://pe.perenco.com/plm/vehicles/unavailabilities/>. The page title is "Vehicle unavailabilities". The PERENCO logo is in the top left, and a welcome message "Welcome, User" with a [Close session](#) link is in the top right. A navigation bar contains links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). Below this is a breadcrumb trail: [Home](#) > [Vehicles](#) > [Unavailabilities](#). The main heading is "Vehicle unavailabilities".

Filters section:

Vehicle: Any vehicle Start: 2010/03/10 End: 2010/03/10

Id	Vehicle	Plate	Start	End	Actions
1	Twin Otter	ABC-123	2010/03/02 10:30 AM		
2	Kamov	XYZ-567	2010/04/13 02:48 PM		
3	Sikorsky	IQ-2213	2010/04/22 12:48 PM		

A confirmation dialog box is overlaid on the table, titled "Delete vehicle unavailability#3? (Sikorsky)". It contains the text "Are you sure you want to delete vehicle unavailability #3 ?" and two buttons: "Yes" and "No". A blue arrow points from the "Yes" button to a blue box at the bottom of the slide.

[New vehicle unavailability](#)

5

The user chooses the record that needs to be deleted and confirms or cancels the deletion of the record.

Personel location

The location of each person in the base is obtained by the trip manifest.

In some opportunities foreign people arrive and have to stay in the campament for emergency reasons, they could be from different companies.

These screens allow the base manager to register these people in order to maintain an accurate report of each person on each base.

Personnel location 0/4

PERENCO Welcome, User Close session

Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Personnel > Location

Personnel Location (Manual records, not from manifests)

Filters

Company: Any company Job: Any job Start: 2010/03/10 End: 2010/03/10

RESULT: 02 RECORDS

Document	Document type	Name	Job	Company	Location	Start	End	Actions
01231211	DNI	Juan Dominguez	Military officer	Peruvian Army	LBC	2010/03/01	2010/03/05	Edit Delete
12234322	DNI	Ernesto Zepeta	Teacher	N/A	LBC	2010/03/02	2010/03/03	Edit Delete

[New personnel location record](#)

Workflow:

1. Filter existing records
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records

PERENCO Welcome, User Close session

Scheduling Times Manifests Fuel Unavailability Personnel Location

Home > Personnel > Location > 59

Personnel Location (Manual records, not from manifests)

Record #59

Doc type: DNI Doc number: B6221210 First name: Ernesto Last name: Zepeta Location: LBC Company: N/A Job: Teacher

Start: 2010/03/02 End: 2010/03/03

[Save](#) [Save and Add](#) [Back to the list](#)

PLM functional Analisis
Perenco - Aural

Personnel location 1/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Personnel](#) > Location

Personnel Location (Manual records, not from manifests)

Filters

Company: Any company Job: Any job Start: 2010/03/10 End: 2010/03/10

RESULT: 02 RECORDS

Document	Document type	Name	Job	Company	Location	Start	End	Actions
01231211	DNI	Juan Dominguez	Military officer	Peruvian Army	LBC	2010/03/01	2010/03/05	Edit Delete
12234322	DNI	Ernesto Zapata	Teacher	N/A	LBC	2010/03/02	2010/03/03	Edit Delete

[New personnel location record](#)

1

Filter existing records by company, job and date range

2

Create a new personnel location record

2

Alternatively, edit an existing record

Personnel location 2/4

PERSONNEL LOCATION

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Personnel](#) > [Location](#) > New

Personnel Location (Manual records, not from manifests)

New record

Doc type: DNI

Doc number:

First name:

Last name:

Location: Choose a location

Company: Choose a company

Job: Choose a job

Start: / /

End: / /

Save Save and Add Back to the list

3

Here the user fills information
Identify the person, chooses
a location, a company and a job
filling the start and end times the
person stays in the location.

4 Save the information on personnel location

Personnel location 3/4

The screenshot shows a web browser window with the address `http://pe.perenco.com/plm/personnel/location`. The page title is "Personnel location". The PERENCO logo is in the top left, and a welcome message "Welcome, User" with a "Close session" link is in the top right. A navigation bar contains links: "Scheduling", "Times", "Manifests", "Fuel", "Unavailability", and "Personnel Location". Below this is a breadcrumb trail: "Home > Personnel > Location > 59". The main heading is "Personnel Location (Manual records, not from manifests)". A form for "Record #59" is displayed with the following fields:

Doc type:	DNI	Start:	2010/03/02
Doc number:	86221210	End:	2010/03/03
First name:	Ernesto		
Last name:	Zapota		
Location:	LBC		
Company:	N/A		
Job:	Teacher		

At the bottom of the form are three buttons: "Save", "Save and Add", and a link "Back to the list".


3

Here the user edits information. Identify the person, chooses a location, a company and a job, filling the start and end times the person stays in the location.

4 Save the edited information on personnel location

Personnel location 4/4

Personnel location

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Personnel](#) > Location

Personnel Location (Manual records, not from manifests)

Filters

Company: Job: Start: End:

RESULT: 02 RECORDS

Document	Document type	Name	Delete personnel location record #59? (Ernesto Zapata on LBC)	Actions
01231211	DNI	Juan Dominguez	Are you sure you want to delete record #59 for Ernesto Zapata on LBC? <input type="button" value="Yes"/> <input type="button" value="No"/>	Edit Delete
12234322	DNI	Ernesto Zapata		Edit Delete

[New personnel location record](#)

5

The user chooses the record that needs to be deleted and confirms or cancels the deletion of the record.

Master objects

- Vehicles
- Locations
- Distances
- Companies
- Persons
- Cost centers

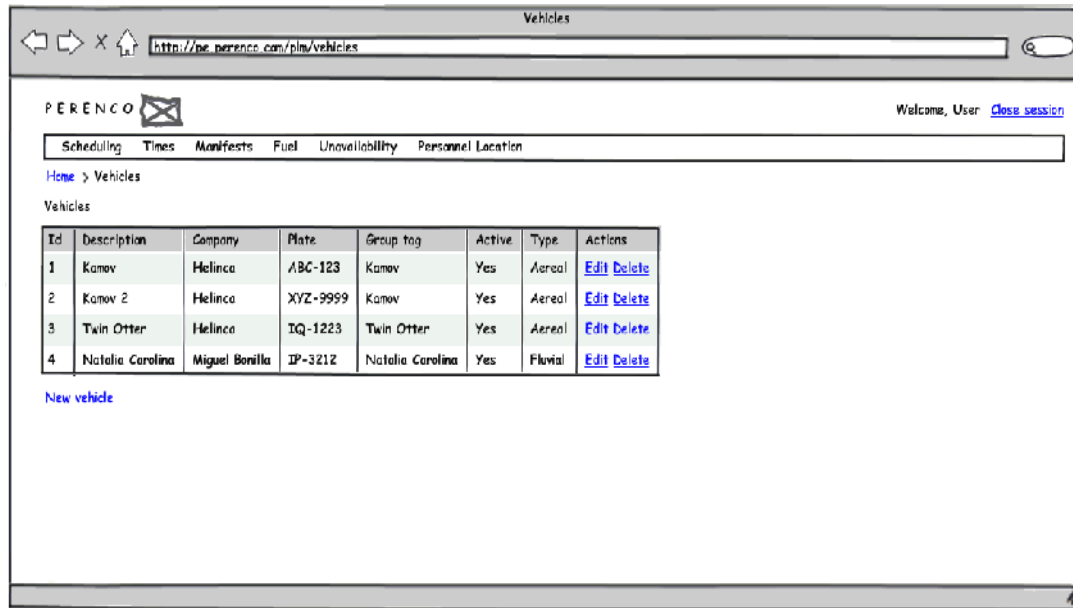
These functionalities allow to manage the master objects to be used through out the system.

All interfaces are CRUD pages, that allow to Create, Read, Update or Delete these records

Vehicles

This allows the system manager to add or edit the vehicles available in the system. In case a vehicle is not used anymore it should be deactivated.

Vehicles 0/3

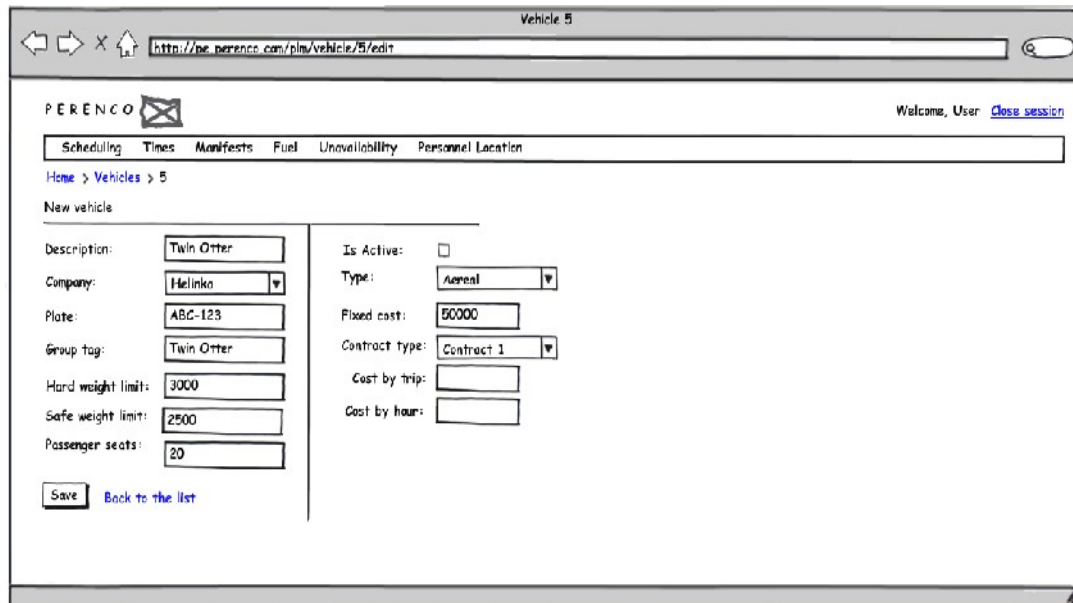


The screenshot shows a web browser window titled 'Vehicles' with the URL 'http://pe.perenco.com/plm/vehicles'. The page features a navigation bar with tabs: 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below the navigation bar, there is a breadcrumb trail 'Home > Vehicles' and a 'Vehicles' section header. A table lists four vehicle records, each with columns for Id, Description, Company, Plate, Group tag, Active, Type, and Actions. The 'Actions' column contains 'Edit' and 'Delete' links for each record. A 'New vehicle' link is located below the table.

Id	Description	Company	Plate	Group tag	Active	Type	Actions
1	Kamov	Helinca	ABC-123	Kamov	Yes	Aereal	Edit Delete
2	Kamov 2	Helinca	XYZ-9999	Kamov	Yes	Aereal	Edit Delete
3	Twin Otter	Helinca	IQ-1223	Twin Otter	Yes	Aereal	Edit Delete
4	Natalia Carolina	Miguel Bonilla	IP-3212	Natalia Carolina	Yes	Fluvial	Edit Delete


Workflow:

1. View list of existing records
2. Create or edit a new record
3. Fill in vehicle information
4. Save information
5. Delete undesired records



The screenshot shows a web browser window titled 'Vehicle 5' with the URL 'http://pe.perenco.com/plm/vehicle/5/edit'. The page features a navigation bar with tabs: 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below the navigation bar, there is a breadcrumb trail 'Home > Vehicles > 5' and a 'New vehicle' section header. The form contains various input fields for vehicle details, including Description, Company, Plate, Group tag, Hard weight limit, Safe weight limit, Passenger seats, Is Active, Type, Fixed cost, Contract type, Cost by trip, and Cost by hour. A 'Save' button and a 'Back to the list' link are located at the bottom left of the form.

Vehicles 1/3

PERENCO  Welcome, User [Close session](#)

[Home](#) > [Vehicles](#)

[Scheduling](#) [Times](#) [Manifests](#) [Fuel](#) [Unavailability](#) [Personnel](#) [Location](#)

Vehicles

Id	Description	Company	Plate	Group tag	Active	Type	Actions
1	Kamov	Helinca	ABC-123	Kamov	Yes	Aereal	Edit Delete
2	Kamov 2	Helinca	XYZ-9999	Kamov	Yes	Aereal	Edit Delete
3	Twin Otter	Helinca	IQ-1223	Twin Otter	Yes	Aereal	Edit Delete
4	Natalia Carolina	Miguel Borilla	IP-3212	Natalia Carolina	Yes	Fluvial	Edit Delete

[New vehicle](#)

2

Create a new personnel record

1

List of existing records. The user can edit the record clicking the **Edit** link.

Vehicles 2/3

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Vehicles](#) > New

New vehicle

Description:

Company:

Plate:

Group tag:

Hard weight limit:

Safe weight limit:

Passenger seats:

Is Active: ☐

Type:

Fixed cost:

Contract type:

Cost by trip:

Cost by hour:


[Back to the list](#)

4 Save the record

3 Fill the information
For the new vehicle
record

Vehicles 3/3

Vehicle 5

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Vehicles](#) > 5

New vehicle

Description:	<input type="text" value="Twin Otter"/>	Is Active:	<input type="checkbox"/>
Company:	<input type="text" value="Helinka"/>	Type:	<input type="text" value="Aereal"/>
Plate:	<input type="text" value="ABC-123"/>	Fixed cost:	<input type="text" value="50000"/>
Group tag:	<input type="text" value="Twin Otter"/>	Contract type:	<input type="text" value="Contract 1"/>
Hard weight limit:	<input type="text" value="3000"/>	Cost by trip:	<input type="text"/>
Safe weight limit:	<input type="text" value="2500"/>	Cost by hour:	<input type="text"/>
Passenger seats:	<input type="text" value="20"/>		

[Back to the list](#)

4 Save the record

3 Fill the information
For the new vehicle
record

Locations

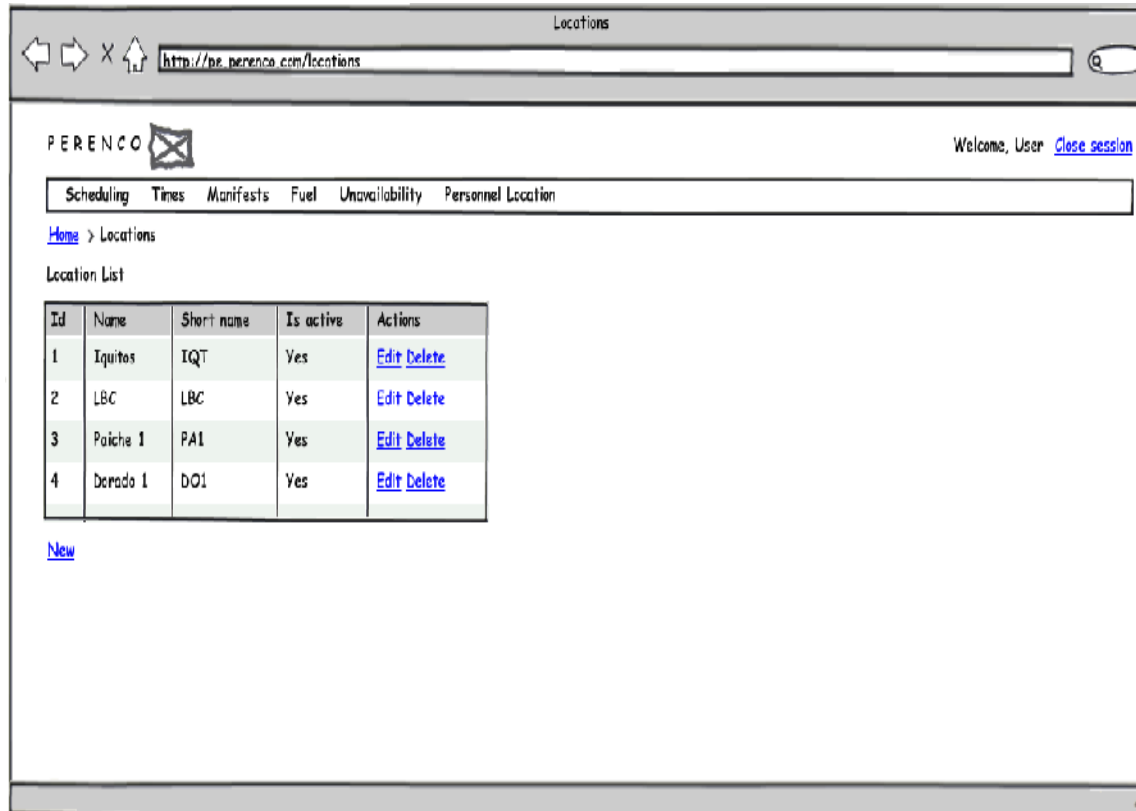
This allows the system manager to add or edit the locations available in the system. In case a location is not used anymore it should be deactivated.

A Location is every possible stop a vehicle can make.

Locations 0/4

Workflow:

1. List all the locations
2. Create or pick a location
3. Edit it's information
4. Save changes



Locations 1/4

Locations

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > Locations

Location List

Id	Name	Short name	Is active	Actions
1	Iquitos	IQT	Yes	Edit Delete
2	LBC	LBC	Yes	Edit Delete
3	Paiche 1	PA1	Yes	Edit Delete
4	Dorado 1	DO1	Yes	Edit Delete

[New](#)

1 This list shows the locations existing

2 This option allows you to add a location

Locations 2/4

The screenshot shows a web browser window titled "New location" with the URL <http://pe.perenco.com/locations/new>. The PERENCO logo is in the top left, and the user is logged in as "Welcome, User" with a [Close session](#) link. A navigation bar contains links for [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). The breadcrumb trail is [Home](#) > [Location](#) > [New](#).

The "New location" form includes the following fields:

- Name:
- Short name:
- Is Active: ☐

At the bottom of the form are three buttons: **Save**, **Save and Add**, and [Back to the list](#).

Numbered callouts provide instructions:

- 3** Insert the data for the new location (points to the form fields)
- 4** This option allows you to record the data entered and continue to add other locations (points to the **Save and Add** button)
- 5** This option saves the data entered and returns us to the locations list (points to the **Save** button)

Locations 3/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Location](#) > 3

Edit location

Name:

Short name:

Is Active: ☐

[Back to the list](#)


6 Modify previously entered data

7 Save the modified data

8 Return to the locations list without making changes

Locations 4/4

Locations

PERENCO 

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > Locations

Location List

Id	Name	Shortname	Is active	Actions
1	Iquitos	IQT	Yes	Edit Delete
2	LBC	LBC	Yes	
3	Paiche 1	PA1	Yes	
4	Dorado 1	DO1	Yes	

[New](#)

Delete location #3? (Paiche 1)

Are you sure you want to delete location #3 Paiche 1?

9 Selecting this option allows you to delete a location

10 Accept or cancel the removal

Distances

This allows the system administration to register distances in kilometers between each pair of locations.

The distance recorded from A to B is the same as B to A. The system will only allow one of these records in order to ensure consistency in data.

Distances 0/4

The screenshot shows a web browser window titled "Distances" with the URL <http://pe.perenco.com/distances>. The application header includes the PERENCO logo and a navigation menu with links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). A user greeting "Welcome, User" and a [Close session](#) link are visible in the top right. Below the navigation menu, a breadcrumb trail shows [Home](#) > [Distance](#). The main content area is titled "Distances List" and contains a table with the following data:

Id	Origin	Destination	Distance	Actions
1	LBC	Paiche 1	150 km	Edit Delete
2	Iquitos	Dorado 1	320 km	Edit Delete
3	Dorado 1	Paiche 1	235 km	Edit Delete
4	Iquitos	LBC	190 km	Edit Delete

Below the table, there is a [New](#) link. The browser's status bar at the bottom shows a small icon on the right.

Workflow:

1. List existing distances between locations
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records

Distances 1/4

The screenshot shows a web browser window titled "Distances" with the URL <http://pe.perenco.com/distances>. The page header includes the PERENCO logo and a navigation menu with links: Scheduling, Times, Manifests, Fuel, Unavailability, and Personnel Location. A welcome message "Welcome, User" and a [Close session](#) link are also present. Below the navigation menu, a breadcrumb trail shows [Home](#) > Distance. The main content area is titled "Distances List" and contains a table with the following data:

Id	Origin	Destination	Distance	Actions
1	LBC	Paiche 1	150 km	Edit Delete
2	Iquitos	Dorado 1	320 km	Edit Delete
3	Dorado 1	Paiche 1	235 km	Edit Delete
4	Iquitos	LBC	190 km	Edit Delete

Below the table is a [New](#) button. Three blue callout boxes with arrows provide instructions:

- Box 1 (top right): "1 This window shows the existing distances Recorded between locations" with an arrow pointing to the table.
- Box 2 (bottom right): "2 Alternatively, edit an existing record" with an arrow pointing to the "Edit" link in the Actions column of the first row.
- Box 2 (bottom left): "2 Create a new distance" with an arrow pointing to the "New" button.

Distances 2/4

New distance

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Distance](#) > New

New distance

Origin:

Iquitos
LBC
Dorado 1
Paiche 1

Destination:

Iquitos
LBC
Dorado 1
Paiche 1

Distance:


[Save](#) [Save and Add](#) [Back to the list](#)

3 Insert the data for the new distance.
The order of locations does not matter

4 Save the information.
This will check that a distance for the same points does not exists. A to B is the same that B to A

Distances 3/4

Browser window: Edit distance
URL: http://pe.perenco.com/distancias/4/edit

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Distance](#) > 4

Edit distance

Origin:
Iquitos
LBC
Dorado 1
Paiche 1

Destination:
Iquitos
LBC
Dorado 1
Paiche 1

Distance:

[Back to the list](#)

3

Modify previously entered data

4

Save the edited information

Distances 4/4

The screenshot shows a web browser window titled "Distances" with the URL <http://pe.perenco.com/distances>. The page header includes the PERENCO logo and a welcome message: "Welcome, User [Close session](#)". A navigation bar contains links: "Scheduling", "Times", "Manifests", "Fuel", "Unavailability", and "Personnel Location". Below this, a breadcrumb trail shows "Home > Distance". The main content area is titled "Distances List" and contains a table with the following data:

Id	Origin	Destination	Distance	Actions
1	LBC	Paiche 1	150 km	Edit Delete
2	Iquitos	Dorado 1	320 km	Edit Delete
3	Dorado 1	Paiche 1	235 km	Edit Delete
4	Iquitos	LBC	190 km	Edit Delete

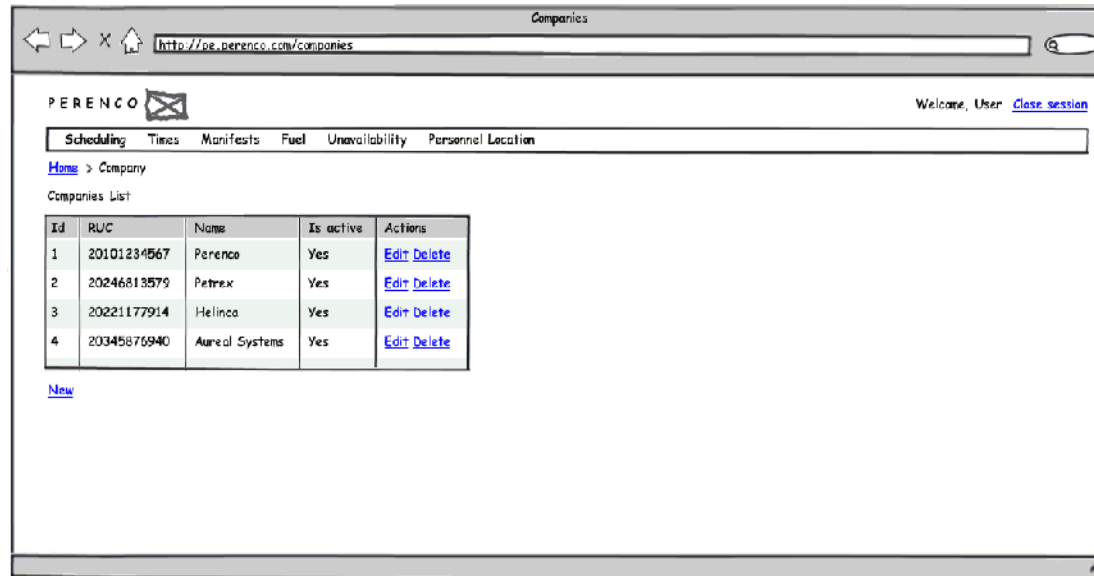
A confirmation dialog box is overlaid on the table, titled "Delete distance #3?". It contains the text "Are you sure you want to delete distance #3?" and two buttons: "Yes" and "No". A blue arrow points from the "Yes" button to a blue callout box containing the number "5" and the text "Accept or cancel the removal".

[New](#)

Companies

Here the system administrator can manage all the third party companies participating in the Base, such as providers, contractors and such.

Companies 0/4



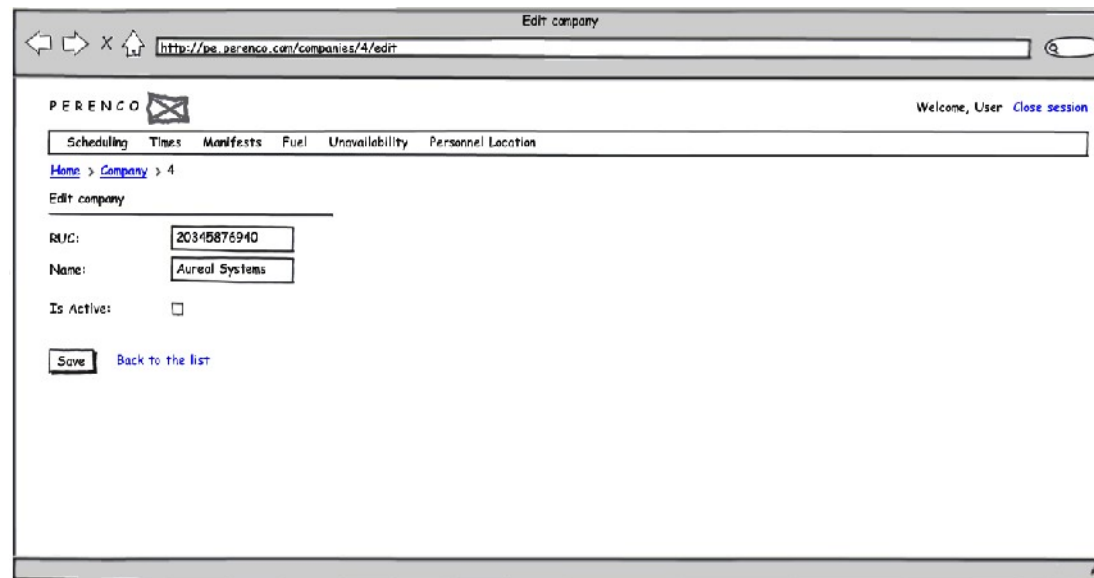
The screenshot shows a web browser window with the address bar displaying <http://pe.perenco.com/companies>. The page header includes the PERENCO logo and a navigation menu with links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). Below the header, there is a breadcrumb trail: [Home](#) > [Company](#). The main content area is titled "Companies List" and contains a table with the following data:

Id	RUC	Name	Is active	Actions
1	20101234567	Perenco	Yes	Edit Delete
2	20246813579	Petrex	Yes	Edit Delete
3	20221177914	Helinca	Yes	Edit Delete
4	20345876940	Aureal Systems	Yes	Edit Delete

Below the table, there is a [New](#) link.

Workflow:

1. List existing companies
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records



The screenshot shows a web browser window with the address bar displaying <http://pe.perenco.com/companies/4/edit>. The page header includes the PERENCO logo and a navigation menu with links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). Below the header, there is a breadcrumb trail: [Home](#) > [Company](#) > 4. The main content area is titled "Edit company" and contains the following form fields:

RUC:

Name:

Is Active: ☐

[Back to the list](#)

Companies 1/4

PERENCO

Welcome, User [Close session](#)

[Scheduling](#) [Times](#) [Manifests](#) [Fuel](#) [Unavailability](#) [Personnel](#) [Location](#)

[Home](#) > [Company](#)

Companies List

Id	RUC	Name	Is active	Actions
1	20101234567	Perenco	Yes	Edit Delete
2	20246813579	Petrex	Yes	Edit Delete
3	20221177914	Helinca	Yes	Edit Delete
4	20345876940	Aureal Systems	Yes	Edit Delete

[New](#)

1 This window shows the existing companies

2 Alternatively, edit an existing record

2 Create a new company

Companies 2/4

New company

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Company](#) > New

New company

RUC:

Name:

Is Active: ☐

[Back to the list](#)

3 Insert the data for the new company.

4 Save the information.

Companies 3/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Company](#) > 4

Edit company

RUC: 20345876940

Name: Aureal Systems

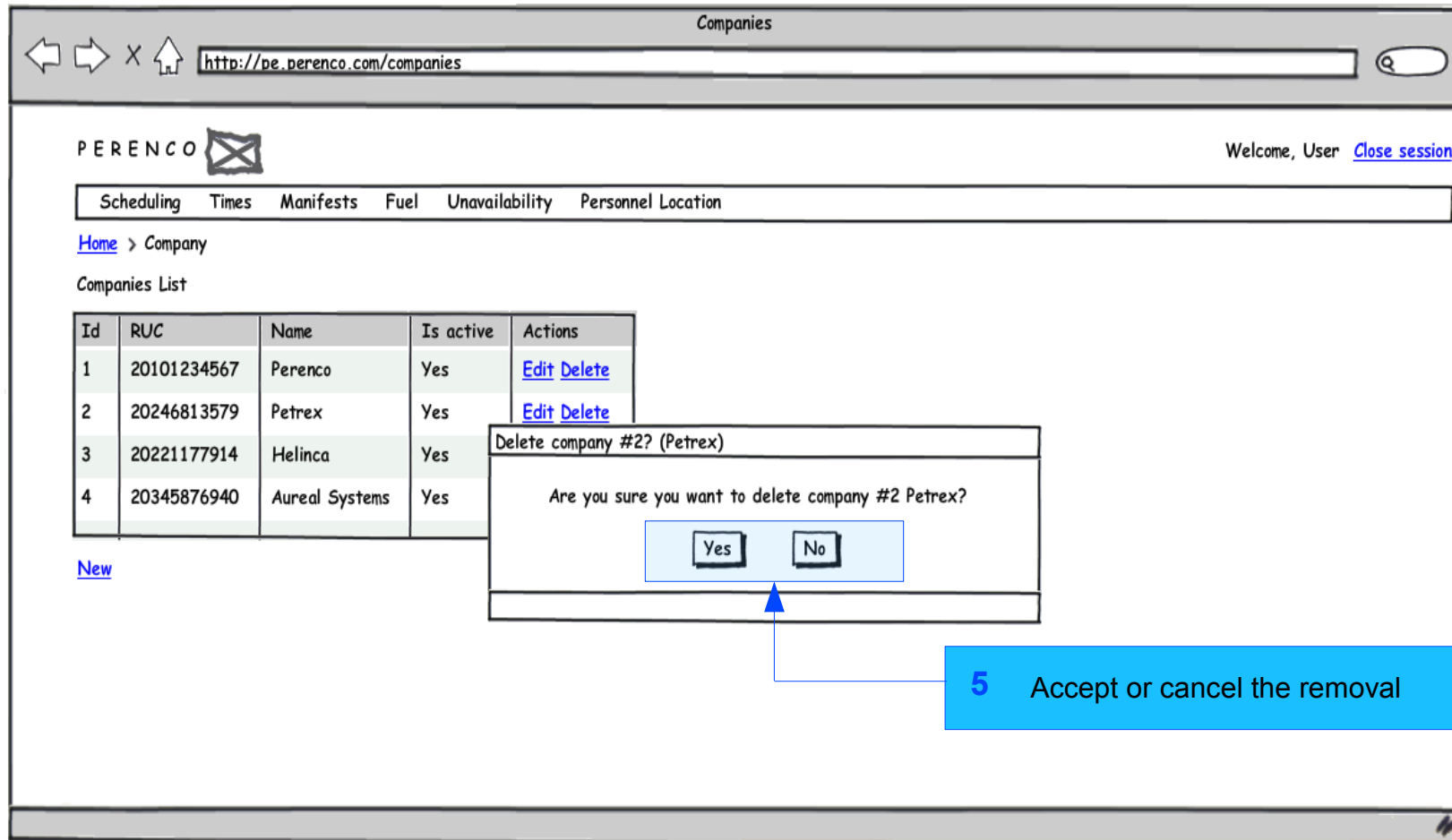
Is Active: ☐

[Save](#) [Back to the list](#)

3
Modify previously entered data

4
Save the edited information

Companies 4/4



The screenshot shows a web browser window with the address bar displaying `http://pe.perenco.com/companies`. The page title is "Companies". The PERENCO logo is in the top left, and a welcome message "Welcome, User" with a "Close session" link is in the top right. A navigation bar contains links: "Scheduling", "Times", "Manifests", "Fuel", "Unavailability", and "Personnel Location". Below this is a breadcrumb "Home > Company" and a "Companies List" section. The list contains four entries:

Id	RUC	Name	Is active	Actions
1	20101234567	Perenco	Yes	Edit Delete
2	20246813579	Petrex	Yes	Edit Delete
3	20221177914	Helinca	Yes	
4	20345876940	Aureal Systems	Yes	

A confirmation dialog box is overlaid on the table, titled "Delete company #2? (Petrex)". It contains the text "Are you sure you want to delete company #2 Petrex?" and two buttons: "Yes" and "No". A blue arrow points from a callout box to the "Yes" button.

5 Accept or cancel the removal

Persons

This is a list of persons that can perform trips. This list must be maintained by Human Resources, as they perform the health validation for each passenger.

If a user is not in this list, he won't be available in the system for trip manifests.

Persons 0/4

The screenshot shows a web browser window titled 'Persons' with the URL 'http://os.perenco.com/personnel'. The page header includes the 'PERENCO' logo and a 'Welcome, User' message with a 'Close session' link. A navigation bar contains links for 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below this, a breadcrumb trail shows 'Home > Personnel'. The main content area is titled 'Personnel' and displays a table with the following data:

Id	Doc type	Doc number	First name	Last name	Weight	Company	Job	Cost center	Actions
1	DNI	01234567	Marco	Marales	82.30	Perenco	Engineer	Cost center 1	Edit Delete
2	DNI	23456789	Juan	Perez	79.00	Petrex	Manager	Cost center 2	Edit Delete
3	DNI	34567890	Maria	Fernandez	55.65	Perenco	Engineer	Cost center 2	Edit Delete
4	DNI	45678903	Fabiola	Martinez	59.00	Helinka	Auxiliary	Cost center 1	Edit Delete

Below the table is a 'New' link.

Workflow:

1. List existing personnel
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records

The screenshot shows a web browser window titled 'New person' with the URL 'http://os.perenco.com/personnel/new'. The page header includes the 'PERENCO' logo and a 'Welcome, User' message with a 'Close session' link. A navigation bar contains links for 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below this, a breadcrumb trail shows 'Home > Personnel > New'. The main content area is titled 'New person' and contains a form with the following fields:

- Doc type: A dropdown menu with options: DNI, C. Extn, Pasaporte, Otros.
- Doc number: A text input field.
- First name: A text input field.
- Last name: A text input field.
- Weight: A text input field.
- Company: A dropdown menu with options: Perenco, Petrex, Helinka.
- Job: A dropdown menu with options: Engineer, Manager, Auxiliary.
- Cost Center: A dropdown menu with options: Cost center 1, Cost center 2.

At the bottom of the form are three buttons: 'Save', 'Save and Add', and 'Back to the list'.

Persons 1/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > Personnel

Personnel

Id	Doc type	Doc number	First name	Last name	Weight	Company	Job	Cost center	Actions
1	DNI	01234567	Marco	Morales	82.30	Perenco	Engineer	Cost center 1	Edit Delete
2	DNI	23456789	Juan	Perez	79.00	Petrex	Manager	Cost center 2	Edit Delete
3	DNI	34567890	María	Fernandez	55.65	Perenco	Engineer	Cost center 2	Edit Delete
4	DNI	45678903	Fabiola	Martinez	59.00	Helinka	Auxiliary	Cost center 1	Edit Delete

[New](#)

1

This window shows the existing personnel

2


Alternatively, edit an existing record

2

Create a new person

Persons 2/4

New person

PERENCO 

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Personnel](#) > New

New person

Doc type:	<input type="text" value="DNI"/>	Company:	<input type="text" value="Perenco"/>
	<input type="text" value="C. Extr"/>		<input type="text" value="Petrex"/>
	<input type="text" value="Pasaporte"/>		<input type="text" value="Helinka"/>
	<input type="text" value="Otros"/>		
Doc number:	<input type="text"/>	Job:	<input type="text" value="Engineer"/>
First name:	<input type="text"/>		<input type="text" value="Manager"/>
Last name:	<input type="text"/>		<input type="text" value="Auxiliary"/>
Weight:	<input type="text"/>	Cost Center:	<input type="text" value="Cost center 1"/>
			<input type="text" value="Cost center 2"/>

[Back to the list](#)

3


Insert the data for the new person.

4

Save the information.

Persons 3/4

Browser window: Edit person
URL: http://pe.perenco.com/personnel/2/edit

PERENCO 

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Person](#) > 2

Edit person # 2

Doc type:	<div><div></div><div>DNI</div><div>C. Extr</div><div>Pasaporte</div><div>Otros</div></div>	Company:	<div><div></div><div>Perenco</div><div>Petrex</div><div>Helinka</div></div>
Doc number:	<div>23456789</div>	Job:	<div><div></div><div>Engineer</div><div>Manager</div><div>Auxiliary</div></div>
First name:	<div>Juan</div>	Cost Center:	<div><div></div><div>Cost center 1</div><div>Cost center 2</div></div>
Last name:	<div>Perez</div>		
Weight:	<div>79.00</div>		

[Back to the list](#)

3

Modify previously entered data

4

Save the edited information

Persons 4/4

The screenshot shows a web browser window titled "Persons" with the URL <http://pe.perenco.com/personnel>. The page header includes the PERENCO logo and a navigation bar with links: Scheduling, Times, Manifests, Fuel, Unavailability, Personnel, and Location. A welcome message "Welcome, User" and a "Close session" link are also present. Below the navigation bar, a breadcrumb trail shows "Home > Personnel". The main content area is titled "Personnel" and contains a table with the following data:

Id	Doc type	Doc number	First name	Last name	Weight	Company	Job	Cost center	Actions
1	DNI	01234567	Marco	Morales	82.30	Perenco	Engineer	Cost center 1	Edit Delete
2	DNI	23456789	Juan	Perez	70.00	Perenco	Manager	Cost center 2	Edit Delete
3	DNI	34567890	María	Fernandez	65.50	Perenco	Operator	Cost center 3	Edit Delete
4	DNI	45678903	Fabiola	Martinez	55.20	Perenco	Operator	Cost center 4	Edit Delete

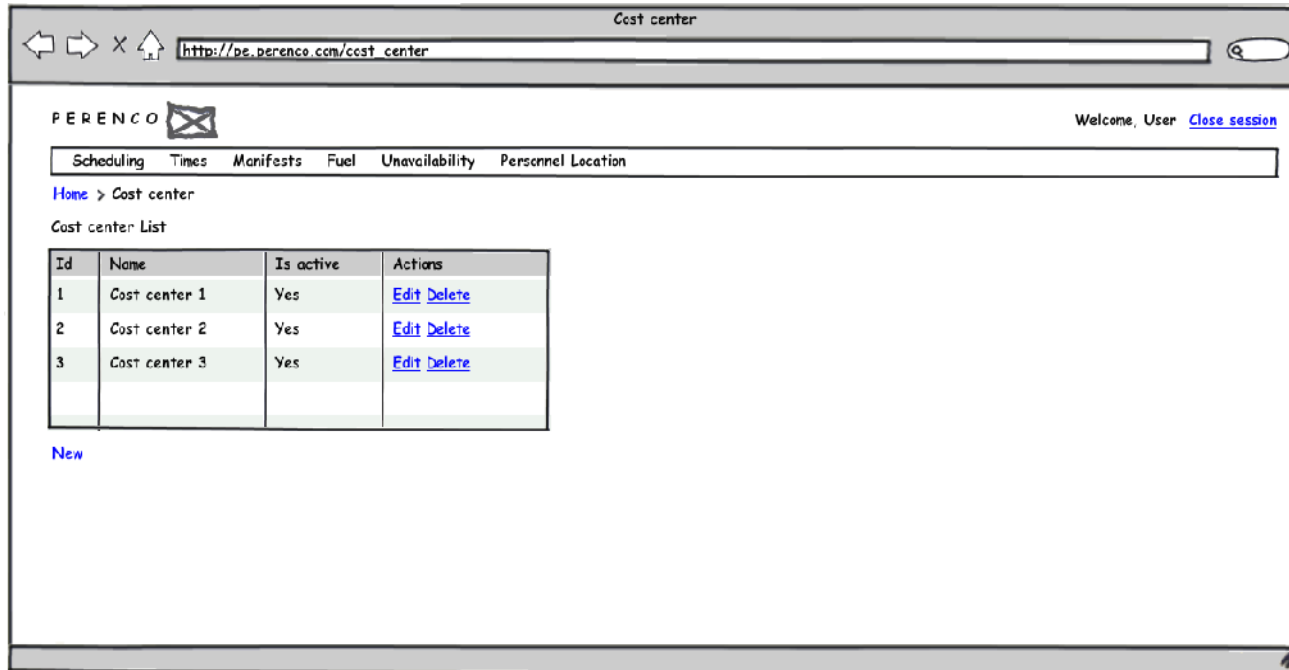
Below the table is a "New" link. A modal dialog box is open, titled "Delete user #1? (Marco Morales)". It contains the text "Are you sure you want to delete user #1 Marco Morales?" and two buttons: "Yes" and "No". A blue arrow points from a callout box to the "Yes" button.

5 Accept or cancel the removal

Cost centers

This allows the system manager to add or edit the cost center available in the system. In case a cost center is not used anymore it should be deactivated.

Cost centers 0/4



Workflow:

1. List all cost centers
2. Create or pick an existing CC
3. Edit it's information
4. Save it

Cost centers 1/4

Cost center

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > Cost center

Cost center List

Id	Name	Is active	Actions
1	Cost center 1	Yes	Edit Delete
2	Cost center 2	Yes	Edit Delete
3	Cost center 3	Yes	Edit Delete

[New](#)

1 This window shows the existing cost centers

2 This option allows you to add a cost center

Cost centers 2/4

The screenshot shows a web browser window titled 'New cost center' with the URL 'http://pe.perenco.com/cost_center/new'. The page header includes the 'PERENCO' logo and a navigation menu with links: 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. A user greeting 'Welcome, User' and a 'Close session' link are in the top right. The breadcrumb trail is 'Home > Cost center > New'. The main form area is titled 'New cost center' and contains a 'Name:' label with an adjacent text input field, and an 'Is Active:' label with an unchecked checkbox. Below the form are three buttons: 'Save', 'Save and Add', and a 'Back to the list' link. Five numbered blue callout boxes provide instructions: Box 3 points to the 'Name' input field with the text 'Insert the data for the new cost center'; Box 4 points to the 'Save and Add' button with the text 'This option allows you to record the data entered and continue to add other cost center'; Box 5 points to the 'Save' button with the text 'This option saves the data entered and returns us to the cost center list'.

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Cost center](#) > New

New cost center

Name:

Is Active: ☐

[Back to the list](#)

3 Insert the data for the new cost center

4 This option allows you to record the data entered and continue to add other cost center

5 This option saves the data entered and returns us to the cost center list

Cost centers 3/4

The screenshot shows a web browser window titled 'Edit cost center' with the URL http://pe.perenco.com/cost_center/2/edit. The page header includes the PERENCO logo and a navigation menu with links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). Below the header, a breadcrumb trail reads [Home](#) > [Cost center](#) > 2. The main form area is titled 'Edit cost center' and contains a 'Name' field with the value 'Cost center 2' and an 'Is Active' checkbox which is currently unchecked. At the bottom of the form are a 'Save' button and a [Back to the list](#) link. Three blue callout boxes with arrows point to specific elements: box 6 points to the 'Name' field, box 7 points to the 'Back to the list' link, and box 8 points to the 'Save' button.

PERENCO

Welcome, User [Close session](#)

[Scheduling](#) [Times](#) [Manifests](#) [Fuel](#) [Unavailability](#) [Personnel Location](#)

[Home](#) > [Cost center](#) > 2

Edit cost center

Name:

Is Active: ☐

[Back to the list](#)

6 Modify previously entered data

7 Return to the locations list without making changes

8 Save the modified data

Cost centers 4/4

The screenshot shows a web browser window with the URL http://pe.perenco.com/cost_center. The page title is "Cost center". The PERENCO logo is in the top left, and a welcome message "Welcome, User" with a [Close session](#) link is in the top right. A navigation bar contains links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), and [Personnel Location](#). Below this is a breadcrumb trail: [Home](#) > [Cost center](#). The main section is titled "Cost center List" and contains a table with the following data:

Id	Name	Is active	Actions
1	Cost center 1	Yes	Edit Delete
2	Cost center 2	Yes	Edit Delete
3	Cost center 3	Yes	Edit

Below the table is a [New](#) link. A confirmation dialog is open over the table, titled "Delete cost center #2? (Cost center 2)". The dialog text asks: "Are you sure you want to delete cost center #2 Cost center 2?". It has two buttons: "Yes" and "No".

9 Selecting this option allows you to delete a cost center

10 Accept or cancel the removal

Security administration

- User administration
- Groups
- Permissions

These screens allow the system administrator to create or manage access to the system.

User administration

This allows the system manager to add or edit the users with access to the system.

User administration 0/4

The screenshot shows a web browser window titled "Users" with the URL <http://pe.perenco.com/plm/auth/users>. The page header includes the PERENCO logo and a navigation menu with links: [Scheduling](#), [Times](#), [Manifests](#), [Fuel](#), [Unavailability](#), [Personnel](#), and [Location](#). Below the header, there is a breadcrumb trail: [Home](#) > [Auth](#) > [Users](#). The main content area is titled "Users" and contains a table with the following data:

Id	Username	Lastname	Firstname	Gender	Email	Actions
1	admin	Administrator		M	admin@pe.perenco.com	Edit Delete
2	jperez	Perez	Juan	M	jperez@pe.perenco.com	Edit Delete
3	mmartinez	Martinez	Maria	F	mmartinez@pe.perenco.com	Edit Delete
4	fpotencier	Potencier	Fabian	M	fpotencier@fr.perenco.com	Edit Delete

Below the table, there is a link [New user](#).

Workflow:

1. View list of existing records
2. Create or edit a new record
3. Fill in user information
4. Save information
5. Delete undesired records

The screenshot shows a web browser window titled "New user" with the URL <http://pe.perenco.com/plm/auth/users/12/edit>. The page header is identical to the previous screenshot. The breadcrumb trail is: [Home](#) > [Auth](#) > [Users](#) > 12. The main content area is titled "Edit user #12" and contains a form with the following fields:

Username:
Password:
Password (again):
First name:
Last name:
Gender: ☐ Male ☐ Female
Email:
 [Back to the list](#)

Is Active: ☐
Administrator: ☐
Groups:
Permissions:
trip scheduling
radio operator

User administration 1/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > Users

Users

Id	Username	Lastname	Firstname	Gender	Email	Actions
1	admin	Administrator		M	admin@pe.perenco.com	Edit Delete
2	jperez	Perez	Juan	M	jperez@pe.perenco.com	Edit Delete
3	mmartinez	Martinez	María	F	mmartinez@pe.perenco.com	Edit Delete
4	fpotencier	Potencier	Fabien	M	fpotencier@fr.perenco.com	Edit Delete

[New user](#)

2 Create a new user in the application.

1 List of existing records. The user can edit the record clicking the **Edit** link.

User administration 2/4

The screenshot shows a web browser window with the address bar displaying `http://pe.perenco.com/plm/auth/users/new`. The page title is "New user". The PERENCO logo is in the top left, and a welcome message "Welcome, User" with a "Close session" link is in the top right. A navigation bar contains links: "Scheduling", "Times", "Manifests", "Fuel", "Unavailability", and "Personnel Location". Below this is a breadcrumb trail: "Home > Auth > Users > New".

The main form is titled "New user" and is divided into two columns. The left column contains input fields for: "Username:", "Password:", "Password (again):", "First name:", "Last name:", "Gender:" (with radio buttons for "Male" and "Female"), and "Email:". The right column contains: "Is Active:" (checkbox), "Administrator:" (checkbox), "Groups:" (a dropdown menu with "Admins" and "Employees" visible), and "Permissions:" (a dropdown menu with "admin", "trip scheduling", and "radio operator" visible). At the bottom left of the form is a "Save" button, and next to it is a link "Back to the list".

Two blue arrows point from external text boxes to the form. One arrow points to the "Save" button, and the other points to the "Groups" and "Permissions" dropdown menus.

4 Save the record

3 Fill the information
For the new user.

User administration 3/4

The screenshot shows a web browser window with the URL `http://pe.perenco.com/plm/auth/users/12/edit`. The page header includes the PERENCO logo and a welcome message for 'User' with a 'Close session' link. A navigation bar contains links for 'Scheduling', 'Times', 'Manifests', 'Fuel', 'Unavailability', and 'Personnel Location'. Below this is a breadcrumb trail: 'Home > Auth > Users > 12'. The main content area is titled 'Edit user #12' and contains two columns of form fields. The left column includes fields for 'Username' (jperéz), 'Password', 'Password (again)', 'First name' (Juan), 'Last name' (Perez), 'Gender' (radio buttons for Male and Female), and 'Email' (jperéz@pe.perenco). The right column includes checkboxes for 'Is Active' and 'Administrator', a 'Groups' dropdown menu (showing 'Admins' and 'Employees'), and a 'Permissions' dropdown menu (showing 'admin', 'trip scheduling', and 'radio operator'). At the bottom left of the form is a 'Save' button, and next to it is a link 'Back to the list'. A blue box highlights the 'Save' button, and a blue arrow points from it to a callout box labeled '4'. Another blue box highlights the 'Groups' and 'Permissions' dropdowns, and a blue arrow points from it to a callout box labeled '3'.

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > [Users](#) > 12

Edit user #12

Username:

Password:

Password (again):

First name:

Last name:

Gender: ☐ Male ☐ Female

Email:

Is Active: ☐

Administrator: ☐

Groups:

Admins
Employees

Permissions:

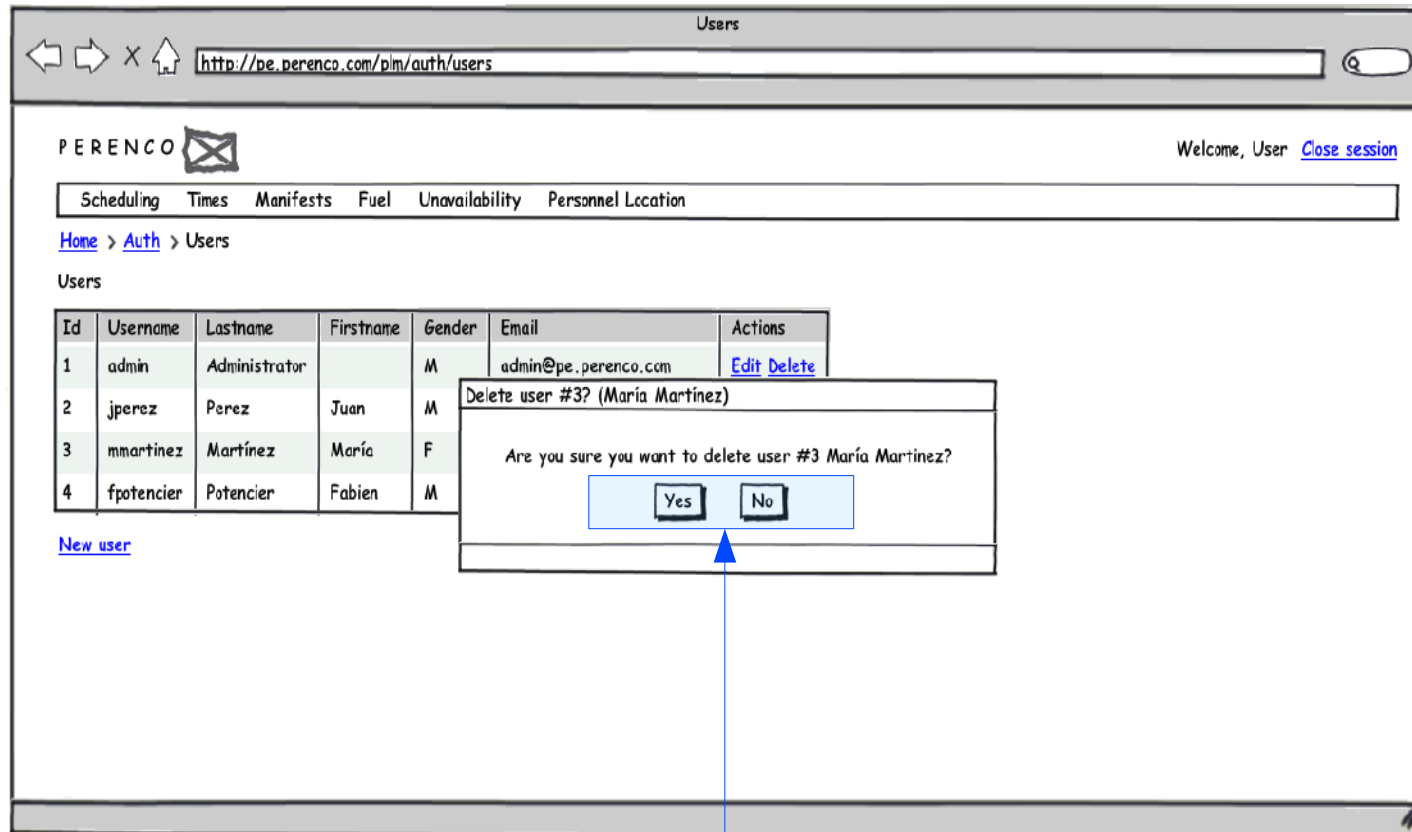
admin
trip scheduling
radio operator

[Back to the list](#)

4 Save the record

3 Edit the information for the selected user.

User administration 4/4

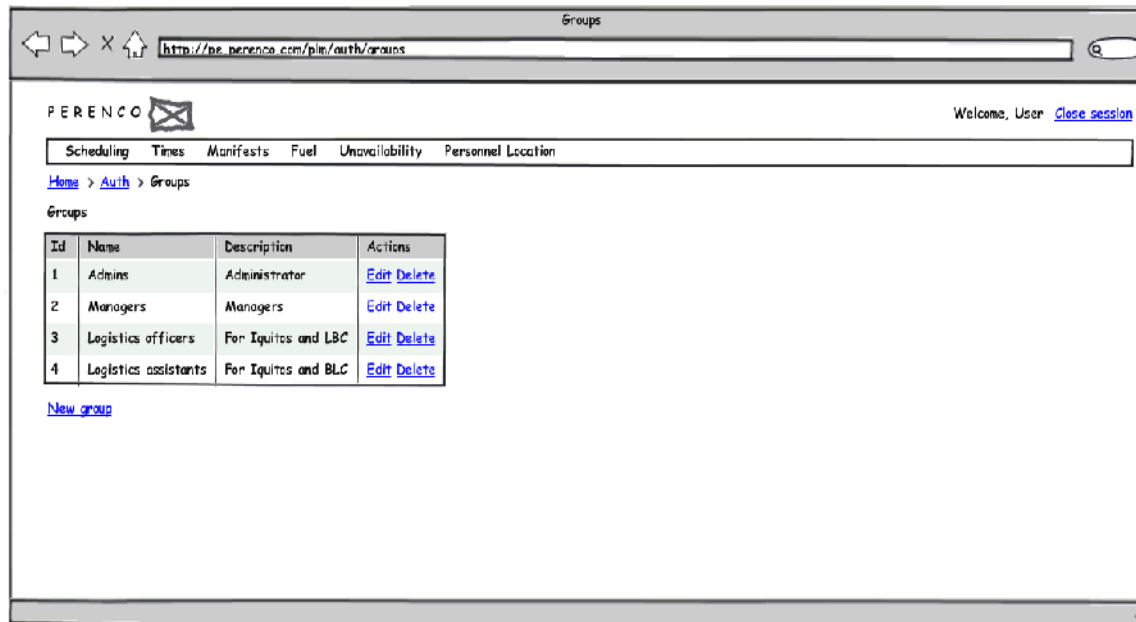


- 5 The administrator chooses the user account that needs to be deleted and confirms or cancels the deletion of the account.

Groups

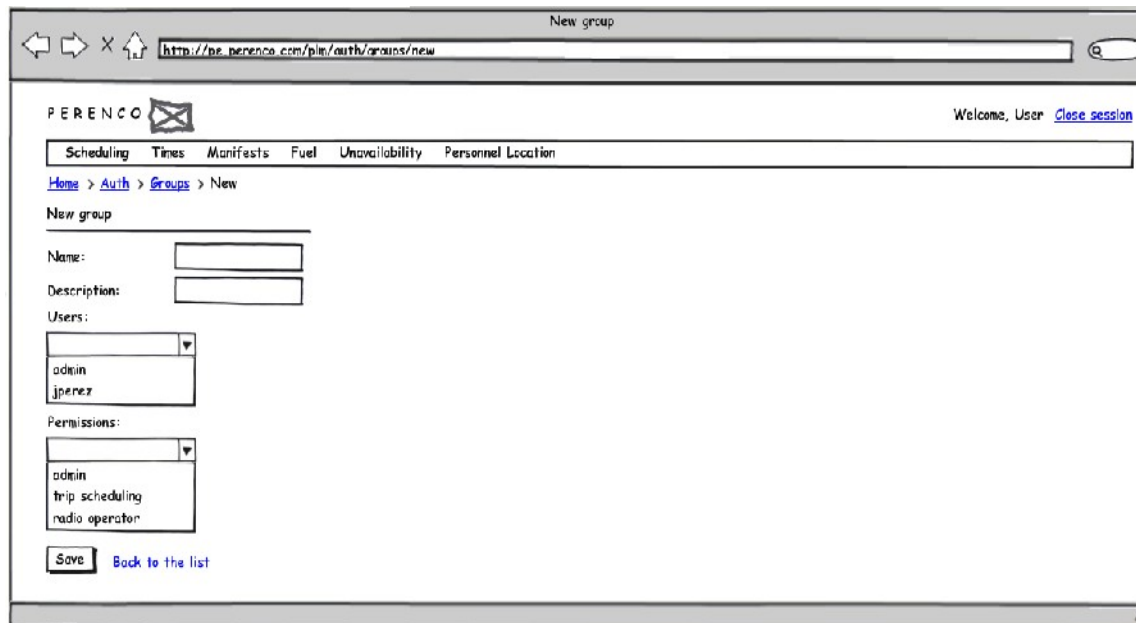
Groups are an easier way of granting permissions to individual users with similar roles. Users should be assigned groups (roles) in order to determine which screens will he have access to.


Groups 0/4



Workflow:

1. List existing groups
2. Create or edit a new record
3. Fill in the record information
4. Save information
5. Delete undesired records



PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > Groups

Groups

Id	Name	Description	Actions
1	Admins	Administrator	Edit Delete
2	Managers	Managers	Edit Delete
3	Logistics officers	For Iquitos and LBC	Edit Delete
4	Logistics assistants	For Iquitos and BLC	Edit Delete


[New group](#)

1 This window shows the existing groups

2 Alternatively, edit an existing record

2 Create a new group

New group

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > [Groups](#) > New

New group

Name:

Description:

Users:

▼

admin
jperez

Permissions:

▼

admin
trip scheduling
radio operator

[Back to the list](#)


3

Insert the data for the new group.

4

Save the information.

← → × 🏠 <http://pe.perenco.com/plm/auth/groups/3/edit>

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > [Groups](#) > 3

Edit group #3

Name:

Description:

Users:

- agarcia
- mcuadros**


Permissions:

- admin
- trip scheduling
- radio operator**
- manifests

[Back to the list](#)

3
Modify previously entered data

4
Save the edited information

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > Groups

Groups

Id	Name	Description	Actions
1	Admins	Administrator	Edit Delete
2	Managers	Managers	
3	Logistics officers	For Iquitos and LBC	
4	Logistics assistants	For Iquitos and BLC	

[New group](#)

Delete group #3? (Logistics officers)

Are you sure you want to delete group #3 Logistics officers?

5 Accept or cancel the removal

Permissions

Permissions restrict access to different areas of the system. They are tightly related with the implementation of each screen, thus they should be seldom modified.

Permissions 0/4

The screenshot shows the PERENCO web application interface. The browser address bar displays <http://pe.perenco.com/plm/auth/permissions>. The page title is "Permissions". The navigation bar includes links for "Scheduling", "Times", "Manifests", "Fuel", "Unavailability", and "Personnel Location". The breadcrumb trail is "Home > Auth > Permissions". The main content area is titled "Permissions" and contains a table with the following data:

Id	Name	Description	Actions
1	Trip planning	Permission to create edit and disable trips	Edit Delete
2	Radio operator	Permission to register trip times	Edit Delete
3	Manifests	Permission to edit manifests	Edit Delete
4	Fuel records	permission to edit fuel records	Edit Delete

Below the table is a link for "New permission".

Workflow:

1. View list of existing records
2. Create or edit a new record
3. Fill in permission information
4. Save information
5. Delete undesired records

The screenshot shows the "New permission" form in the PERENCO web application. The browser address bar displays <http://pe.perenco.com/plm/auth/permission/5/edit>. The page title is "New permission". The navigation bar is the same as the previous screenshot. The breadcrumb trail is "Home > Auth > Permissions > 5". The main content area is titled "New permission" and contains the following form fields:

Name:

Description:

Users:

Groups:

At the bottom of the form are "Save" and "Back to the list" buttons.

Permissions 1/4

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > Permissions

Permissions

Id	Name	Description	Actions
1	Trip planning	Permission to create edit and disable trips	Edit Delete
2	Radio operator	Permission to register trip times	Edit Delete
3	Manifests	Permission to edit manifests	Edit Delete
4	Fuel records	permission to edit fuel records	Edit Delete


[New permission](#)

2 Create a new permission in the application.

1 List of existing records. The user can edit the record clicking the **Edit** link.

Permissions 2/4

New permission

PERENCO  Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > [Permissions](#) > New

New permission

Name:

Description:

Users:

▼

admin
jperez

Groups:

▼

Managers
Logistics officers
Logistics assistants

[Back to the list](#)

4 Save the record

3 Fill the information for the permission record.

Permissions 3/4

New permission

PERENCO

Welcome, User [Close session](#)

Scheduling Times Manifests Fuel Unavailability Personnel Location

[Home](#) > [Auth](#) > [Permissions](#) > 5

New permission

Name: Fuel records

Description: Update fuel

Users:

admin
jperez

Groups:

Managers
Logistics officers
Logistics assistants

[Save](#) [Back to the list](#)

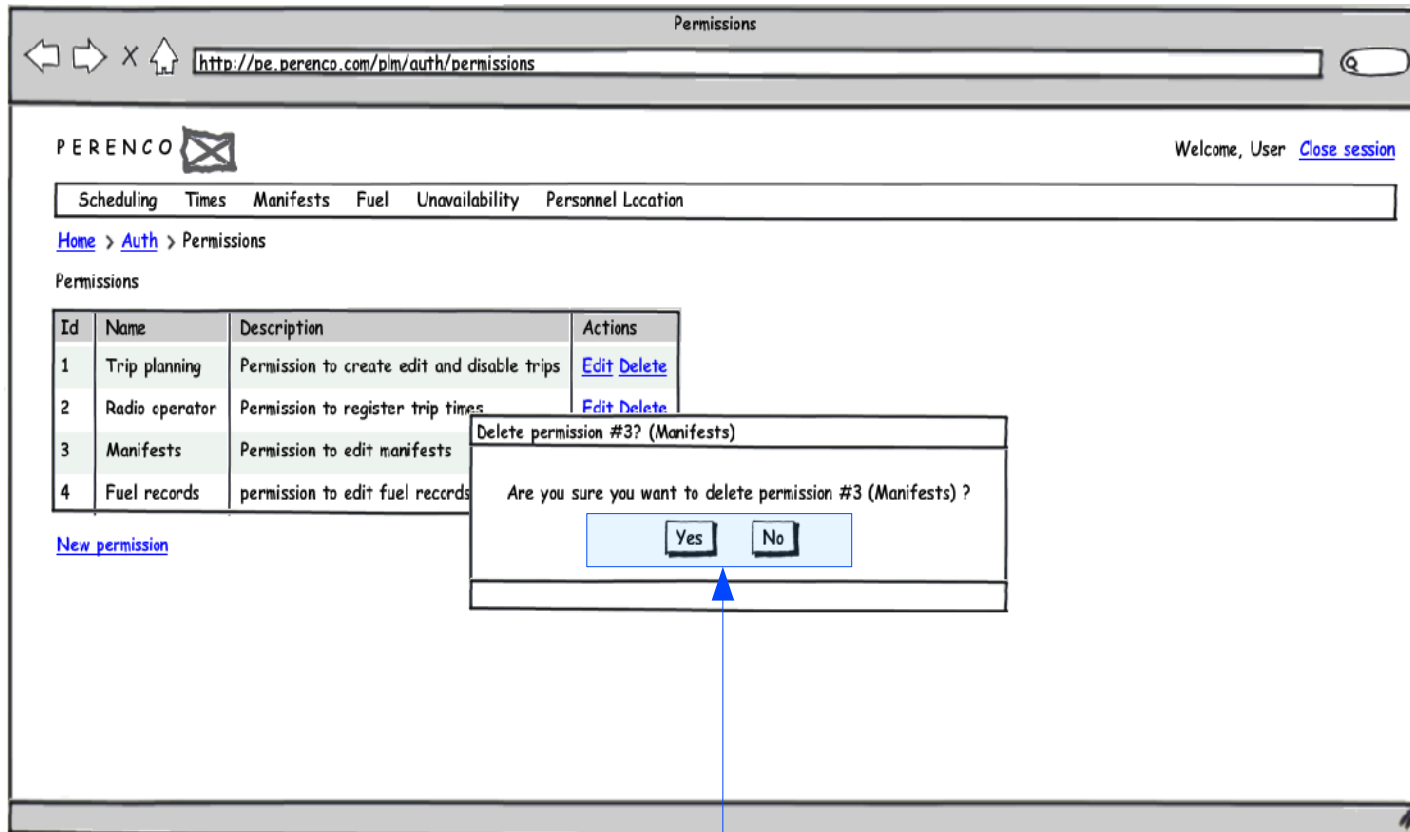
3

Edit the information
for the permission record.

4

Save the record

Permissions 4/4



- 5 The administrator chooses the permission that needs to be deleted and confirms or cancels the deletion of the account.

The End.