



TRANSTEC

HOW TO USE TRANSTEC

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CHAPTER 1

Presentation

TransTec Software

TransTec allows to manage the platforms of logistic transit. The company has several platforms of transit distributed on the area covered by the logistic service. On every transit platform we arrange have:

- Entry posts to take into account parcel entering the platform, from the other transit platforms or entered locally,
- Supervision system allowing to optimize the trucks movements between the various platforms, and to manage incidents,
- Preparation posts and followed by the load of trucks.

The various posts access is done by the same interface of « Login ». According to his rights of access, the user will be directed towards his own post.

Installing TransTec

L'installation du logiciel TransTec une machine de configuration suivante :

- Intel Pentium Processeur
- Microsoft Windows XP Professionnel ou Édition Familiale (Service Pack 1 ou 2), Windows 2000 (Service Pack 2), Windows XP Édition Tablet PC, Windows Server 2003 ou Windows NT (Service Pack 6 ou 6a)
- 128 Mo de RAM (256 Mo recommandés)
- Jusqu'à 90 Mo d'espace disque disponible

To install TransTec :

1. Insert the TransTec CD into your computer's CD-ROM drive
2. Execute one of the following actions :
 - In Windows, the TransTec installation program starts automatically.
 - On the Macintosh, double-click the TransTec Installer icon.
3. Follow the on-screen instructions
 - The installation program ask you to enter the required information.
4. If necessary, restart your computer.

Get used to the work environment

When you open for the first time TransTec, a login window appears. This window allows to reach three environments: « entry post », « assistant post » and « superintendent post », according to the login and password.



► Login window - **TransTec**

CHAPTER 2

Entry post

Interface general presentation

The entry post interface consists in three main windows. The window « Actions », always placed on the the right of the screen, assures the appropriated functions for the parcel. The information of the selected parcel is in the middle of the window, as well as the incidents and its load.

The screenshot displays the OPTILOG software interface for an entry post. The top header includes the OPTILOG logo, the user name 'Nicolas GAUTIER - Poste d'entrée', and a 'déconnexion' button. Below the header is a menu bar with 'Fichier', 'Edition', and 'Affichage'. The main workspace is divided into three sections: 'Vues Caméra' on the left, 'Informations colis' in the center, and 'Actions' on the right. The 'Informations colis' section contains input fields for 'Numéro', 'Modèle', 'Poids (kg)', 'Date d'envoi', 'Forme', 'Fragilité', 'Coté (cm)', 'Destinataire', and 'Expéditeur'. Below these fields are two buttons: 'Voir l'incident' and 'Créer un incident'. The 'Actions' section on the right lists five actions: 'Modifier', 'Envoyer en zone de stockage', 'Etiquette', 'Créer un incident pour le colis', and 'Annuler'. The bottom right corner of the interface features the 'TRANSTEC' logo.

Informations colis	
Numéro	<input type="text"/>
Modèle	<input type="text"/>
Poids (kg)	<input type="text"/>
Date d'envoi	<input type="text"/>
Forme	<input type="text"/>
Fragilité	<input type="text"/>
Coté (cm)	<input type="text"/>
Destinataire	<input type="text"/>
Expéditeur	<input type="text"/>

Incidents répertoriés pour ce colis [Voir l'incident](#)

Chargement [Créer un incident](#)

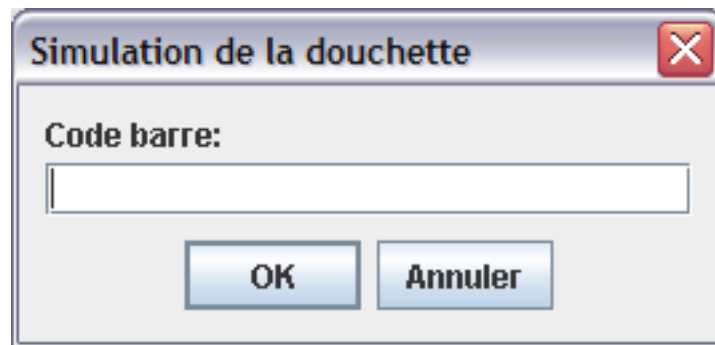
Actions

- Modifier
- Envoyer en zone de stockage
- Etiquette
- Créer un incident pour le colis
- Annuler

► Main window of the entry post - TransTec

Procedures / Manipulations

Create a new parcel



► Entry post, steer code simulation window - **TransTec**

You are in the « steer code simulation window » of the entry post.

1. Click on the button « Annuler ».

You are in the « main window » of the entry post.

2. Enter the information concerning the new parcel.
3. Enter the sender and the addressee of the parcel. You have two possibilities to enter this information:
 - a. By entering the fields of information manually.
 - b. Or by selecting the names of persons already entered in the data base by clicking the button “Sélection des personnes”.



Sélection des personnes

You are in the window « sender and/or addressee selection » of the entry post.

- Add an addressee by selecting an entry in the list then by clicking the button « Ajouter le destinataire ».



Ajouter le destinataire

- Add a sender by selecting an entry in the list then by clicking the button « Ajouter l'expéditeur ».



Ajouter l'expéditeur

- When these two persons are selected, click the button « Fermer » to validate and return to the main window.



Fermer

4. Print the label corresponding to the parcel by clicking the button « Etiquette »




Etiquette



► Entry post, label creation window - **TransTec**

Parcel Checking

Vues Caméra


Informations colis

Numéro : 225300223
Fragilité : très fragile
Modèle : modèle1
Forme : cube
Poids (kg) : 5
Date d'envoi : 5 mars 2006 13:44:21
Destinataire : Chaubert Jean-Jacques
27 avenue du Poitou
64000 Pau
jj.chaubert@transtec.de
Expéditeur : Sengler nicolas
6 rue des tombes
12000 Rodez
jj.chaubert@transtec.de






Incidents répertoriés pour ce colis
Voir l'incident

Date	Description

Chargement
Créer un incident

Code barre	Poids	Date d'envoi	Forme	Modèle	Volume

Actions

 Modifier
 Envoyer en zone de stockage
 Etiquette
 Créer un incident pour le colis
 Annuler

TRANSTEC

You are in the « steer code simulation window » of the entry post.

1. Enter the steer code of the parcel to be checked, then click the button « OK »

You are in the « main window » of the entry post.

2. The parcel information displays on the screen.
3. You have the possibility to do four actions according to this parcel
 - a. Modify the information parcel.



Modifier

- b. Creation of an incident for the parcel then send it to the stocking zone.



Envoyer en zone de stockage

- c. Create the corresponding label and then print it.



Etiquette

- d. Show the incidents already draft for this parcel.



Créer un incident pour le colis

NOTE: By clicking the button cancel, you leave this menu and return to the window « steer code simulation window »



Annuler


Add a load list

You are in the « steer code simulation window » of the entry post.

1. Enter the steer code of the load to add, then click the button « OK »

You are in the « main window » of the entry post.

2. Parcels which are present in this load, display in the window « Load », as you can see below:

Chargement 987654321 (1 colis)						 Créer un incident
Code barre	Poids	Date d'envoi	Forme	Modèle	Volume	
218245514	23	21 févr. 2006	Pavé	Personnalisé	340 929	

► Entry post, load window - **TransTec**

3. You have the possibility to create an incident for a parcel which has not been found in the load :
 - a. Select a parcel in the window « load ».
 - b. Click the button « Créer un incident » :

 **Créer un incident**

You are in the « incident creation window » of the entry post.

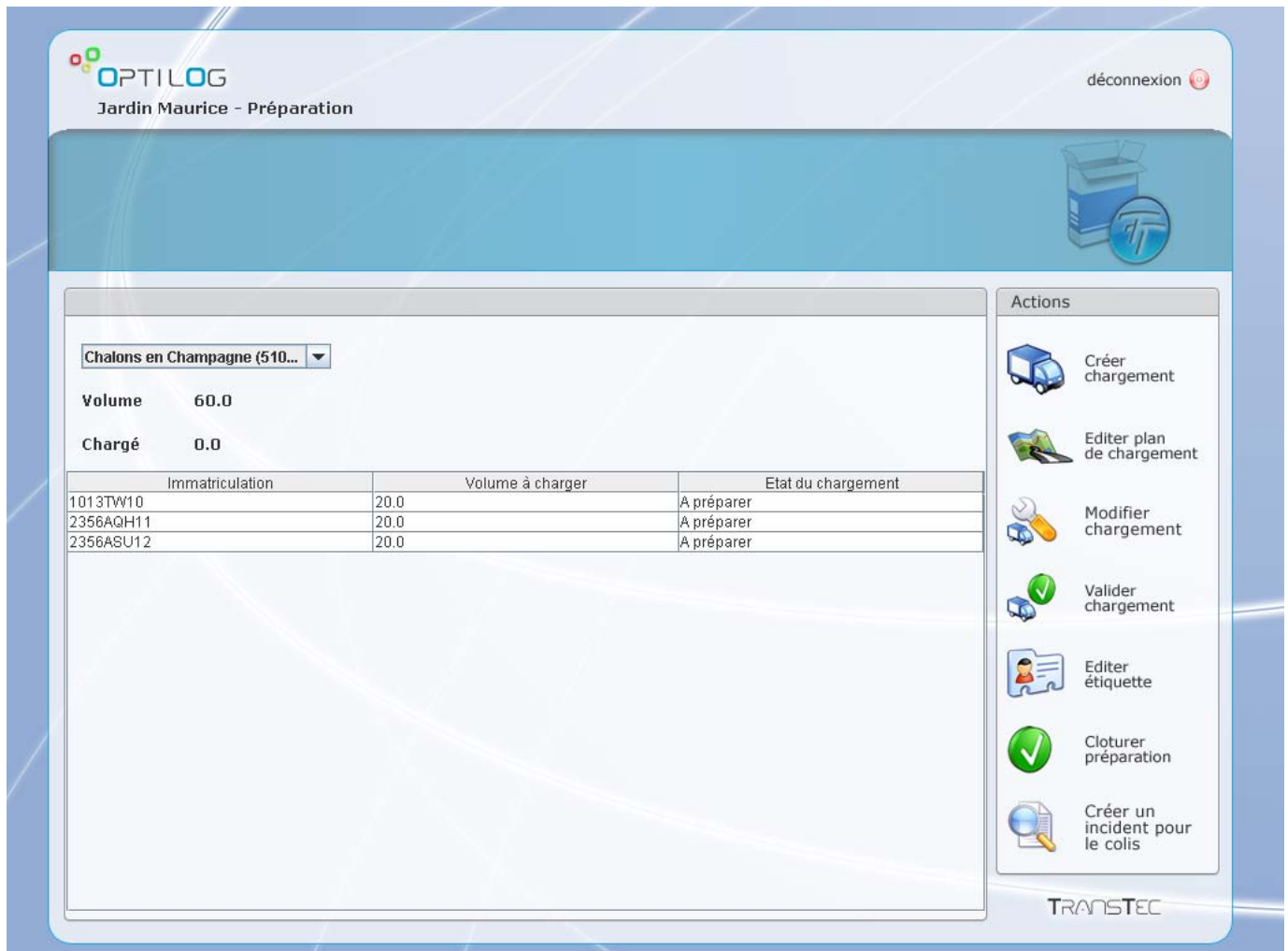
- c. Enter your comment on the parcel.

CHAPTER 3

Preparation post

Interface general presentation

The preparation post interface consists in two main windows. The window “Actions”, always placed on the right of the screen, proposes the functions appropriated to the parcel or for the load. The window in the middle represents the information of the selected load.



► Preparation post, main window - TransTec

Procedures / manipulations

Create a load

You are in the « main window » of the preparation post.

1. Select a destination on the left window.
2. Select a load in the list then click the button « Créer chargement » in the right window « Actions » :



Créer
chargement

You are in the « load creation window » of the preparation post.

3. This window allows you to simulate your truck load. By selecting parcel in the left window “Aperçu colis” you can add them to the load by means of buttons:

Ajouter
Colis



Retirer
Colis

4. When the parcel is added, you can move it with the keyboard direction arrows.
5. Finally, click on the icon « Valider » to validate the load creation. This action is going to create a temporary load.



Valider

Aperçu colis				Aperçu Chargement					
Poids	Date En...	fragilite	Volume	Poids	Date Envoi	fragilite	valeur_declaree	Volume	numeroDsCharg
54	5 mars ...	Peu	0,48	14	5 mars 2006	Peu	0	0,48	1
19	21 févr. ...	Peu	0,064	524	5 mars 2006	Peu	0	0,072	2

Edit a load

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list then click the button « Editer plan de chargement » in the right window » Actions ».
3. By clicking the following button you are going to display the load plan for the attention of the packers :



Editer plan
de chargement

NOTE: By clicking this button you will still have the possibility to modify the load afterward.

4. Use the button « Imprimer » to print the plan load.



Imprimer

Modify a load

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list, and then click the button « Modifier chargement » in the right window » Actions ».



Modifier
chargement

3. By clicking the button above you have the possibility to add, remove and move again the load parcel.

Validate a load

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list then click the button « Valider chargement » in the right window » Actions ».



Valider
chargement

NOTE : After validating your load, you cannot modify it at any time.

Print a label

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list, and then click the button « Imprimer une étiquette » in the right window « Actions » to print the load validated label.



End the preparation

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list, and then click the button « Cloture préparation » in the right window « Actions » to print the label of the validated load.



3. The preparation of the load is now finalized.

Show an indident

You are in the « main window » of the preparation post.

1. Select a destination in the left window.
2. Select a load in the list then click the button « Afficher archive » in the right window « Actions » to show an incident.



NOTE: At any time the user can see or add an incident for a parcel.

CHAPTER 4

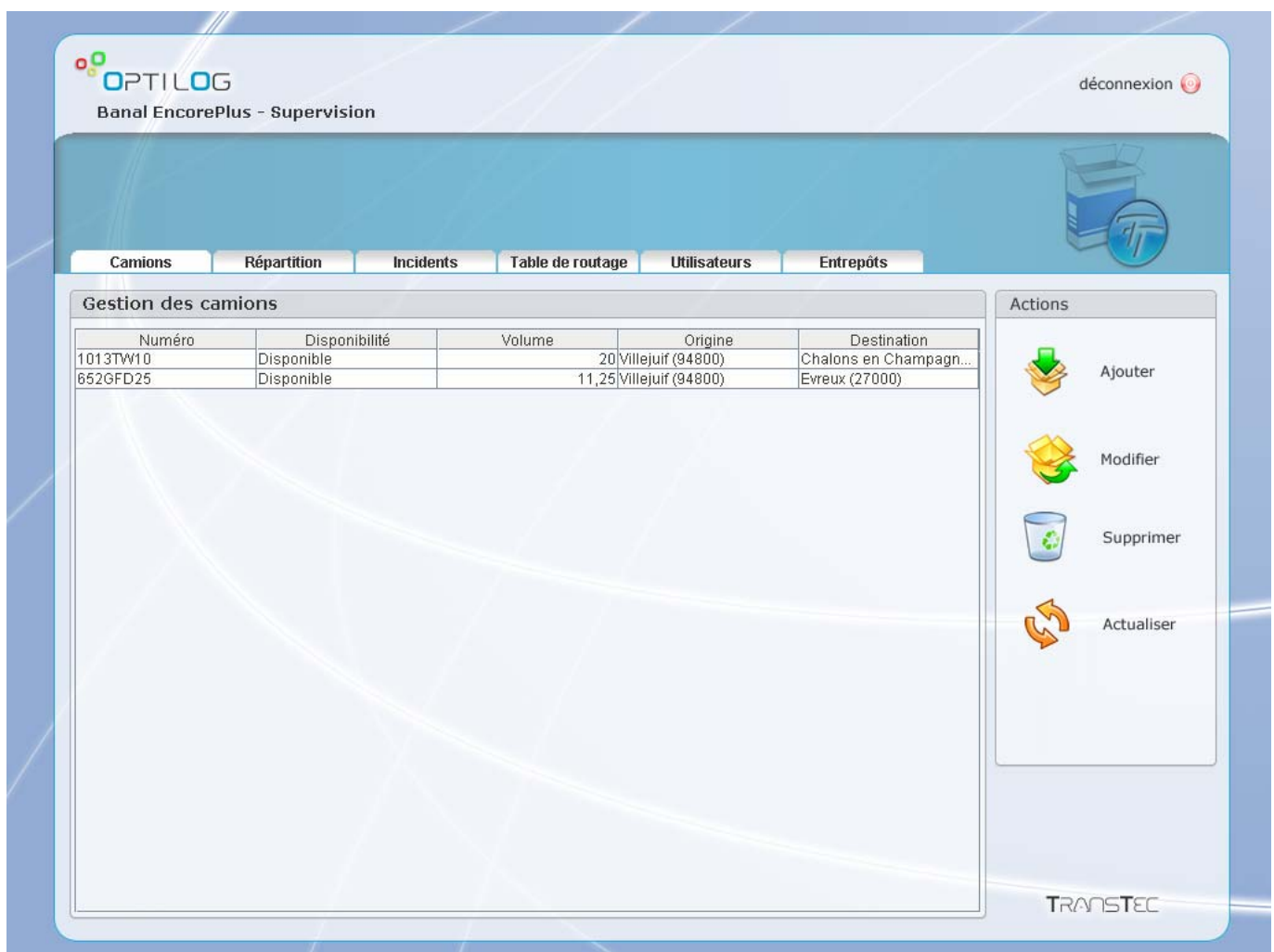
Superintendent post

Interface general presentation

The superintendent post allows:

- The trucks management (first tab)
- The parcel distribution by destination (the second tab)
- The incidents management (the third tab)
- The routing table management (the fourth tab)
- The users list management (the fifth tab)
- The warehouses management (the sixth tab)

For each tab (see the below details), the window « Actions » in the left screen side, will assist you in your manipulations.



► Superintendent post, main window - TransTec

Procedures / Manipulations

Trucks management

Gestion des camions				
Numéro	Disponibilité	Volume	Origine	Destination
1013TW10	Disponible	20	Villejuif (94800)	Chalons en Champagn...
652GFD25	Disponible	11,25	Villejuif (94800)	Evreux (27000)

► Superintendent post, trucks management window - **TransTec**

You are in the « trucks management window » of the superintendent post.

1. To add a new truck to the list, click the button « Ajouter » :



Ajouter

2. Then enter the fields of the following dialogue window, then click the button “validate”:

Numéro :	<input type="text"/>
Disponibilité :	Disponible ▼
Largeur :	<input type="text"/>
Hauteur :	<input type="text"/>
Profondeur :	<input type="text"/>
Origine :	Ind?fini ▼
Destination :	Ind?fini ▼
<div> Valider  Annuler</div>	
<input type="text"/>	

After validation, the truck appears in the management list.

3. To do the functions : « modify », « delete » , select a truck in the list and follow the instructions.



Modifier



Supprimer

NOTE: The truck selected deletion pulls its definitive deletion : no confirmation will be asked.

Parcel distribution by destination

Disponibilités			
Destination		Camion	
Volume		Volume	
Le Mans (72000)		1013TW10	20
Chalons en Champagne (51...		652GFD25	11,25
Evry (91000)			

► Superintendent post, parcel distribution window - **TransTec**

You are in the « distribution window » of the superintendent post.

1. The main distribution window of the parcel informs the user of the useful resources for the distributions, by showing the available trucks and the destinations for which there is parcel to transport.

Click the button « suivant » in the window “Actions” to reach the second step.



You are in the « distribution algorithm choice window » of the superintendent post.

2. Select a distribution algorithm, knowing that :
 - a. If you click No algorithm: you choose the trucks which are going to travel as well as their destinations. **No optimization proposition will be made by the system.**
 - b. If you click Skinflint algorithm: The system looks for the slightest cost solution by minimizing the sum of kilometers multiplied by the volume of trucks. **The system will propose destinations in the following step.**
 - c. If you click Santa Claus algorithm: The system looks for the distribution which allows to transport the maximum volume during the day (customer satisfaction). **The system will propose destinations in the following step.**

Click the button « suivant » in the window “Actions” to reach the third step.



NOTE: If you choose an algorithm, the system will propose a destination in the third step but you will always have the possibility to modify it.

BE CAREFULL: If you choose the skinflint algorithm, check that there is a destination which can fill totally a truck, in this case the truck will not appear in the third step.

You are in the « distribution window » of the superintendent post.

3. If no algorithm was selected in the previous step, select a destination for each truck. Select also a user for every preparation.

Camion	Destination	Volume	Préparateur
652GFD25	Chalons en Cham...	0	Jardin Maurice

Destination :

Chalons en Champagne (51000)

Volume réparti :

0.0 / 1.096E-6

NOTE: It is possible to modify the truck volume by clicking the board corresponding cell.

4. Then click the button « Publier », in the window « Actions » to return the preparations available to the user.



Publier

Incidents management

Gestion des incidents					
Colis	Date	Etat	Description	Créateur	Type
355987463	21 févr. 2006	Traité	un probleme avec l...	Jardin Maurice	Entrée
866312927	21 févr. 2006	En cours	il faut mieux jeter le ...	Jardin Maurice	Entrée
866312927	21 févr. 2006	En cours	le colis est foutu	Jardin Maurice	Entrée
866312927	21 févr. 2006	Traité	un autre coin vient d...	Jardin Maurice	Entrée
866312927	21 févr. 2006	En cours	Il y a un coin abim? ...	Jardin Maurice	Entrée

► Superintendent post, Incidents window - **TransTec**

You are in the « incidents window » of the superintendent post.

1. Select an incident in the board and click the button « Afficher », in the window « Actions » to show the details of the incident.



Afficher

Colis :	355987463
Date :	2006-02-21 23:21:35.0
Etat :	Traité ▼
Utilisateur :	Jardin
Type :	Entrée
Description :	un probleme avec le carton ouvert

 Valider  Annuler

In this window, you have the possibility to modify the incident state in “treaty”, “not treaty” or “in progress”.

Click the button “Valider” to save the modifications.

You are in the « incidents window » of the superintendent post.

2. If you click the button « modifier », you change the incident selected from the state “not treated” in “in progress” or from “current” state in “treaty”.



Modifier

Routing table management

Gestion de la table de routage				
Origine	Destination	Intermédiaire	Distance	
Pau (64000)	Chalons en Champagne (510...	Villejuif (94800)	1 059	▲
Beauvais (60000)	Pau (64000)	Villejuif (94800)	961	
Villejuif (94800)	Chalons en Champagne (510...	Beauvais (60000)	188	
Evreux (27000)	Evry (91000)	Ind?fini	129	
Caen (14000)	Beauvais (60000)	Ind?fini	211	

► Superintendent post, Routing table window - **TransTec**

You are in the « Routing table window » of the superintendent post.

1. To add a new entry to routing table list, click the button « Ajouter » :



Ajouter

Then enter the fields of the following dialogue window, and then click the button “Valider”

Origine :

Destination :

Intermédiaire :

Distance :

☒ Valider
 ☐ Annuler

2. To modify a selected entry of routing table list, click the button “Modifier”:



Modifier

Then enter the fields of the following dialogue window, and then click the button “Valider”

Origine :

Destination :

Intermédiaire :

Distance :

☒ Valider
 ☐ Annuler

3. To delete a selected entry of the routing table, click the button "Supprimer"



Supprimer

NOTE: The entry deletion pulls its definitive deletion: no confirmation will be asked.

User's list management


Gestion des utilisateurs									
Login	Mot de pas...	Type	Adresse	Code Postal	Ville	Nom	Prénom	E-mail	Téléphone
user1	user1	Entrée	27 avenue ...	64000	Pau	Chaubert	Jean-Jacq...	jj.chaubert...	01656545...
user2	user2	Entrée	13 place d...	72000	Le Mans	Toumou	Raymong	r.dumou@...	01244662...
user3	user3	Préparation	3 allée des...	14000	Caen	Jardin	Maurice	hortifleur@...	01234565...
user4	user4	Supervision	impasse d...	60000	Beauvais	Banal	EncorePlus	neutre@ne...	01000100...
user5	user5	Préparation	3 allée des...	14000	Caen	Jardin	Maurice	hortifleur@...	01234565...

► Superintendent post, Users list management window - **TransTec**

You are in the « Users list management window » of the superintendent post.

1. To add a new user to the list, click the button « Ajouter » :



Login :	<input type="text"/>
Password :	<input type="password"/>
Type :	Entrée ▾
Nom :	<input type="text"/>
Prénom :	<input type="text"/>
Adresse :	<input type="text"/>
Code Postal :	<input type="text"/>
Ville :	<input type="text"/>
E-Mail :	<input type="text"/>
Téléphone :	<input type="text"/>
<div> Valider  Annuler</div> <input type="text"/>	

Then enter the fields of the following dialogue window, and then click the button “Valider”

4. To modify a selected user of the list, click the button “Modifier”:



Login :	<input type="text" value="user3"/>
Password :	<input type="text" value="user3"/>
Type :	<input type="text" value="Préparation"/>
Nom :	<input type="text" value="Jardin"/>
Prénom :	<input type="text" value="Maurice"/>
Adresse :	<input type="text" value="3 allée des Accacias"/>
Code Postal :	<input type="text" value="14000"/>
Ville :	<input type="text" value="Caen"/>
E-Mail :	<input type="text" value="hortifleur@trantec.com"/>
Téléphone :	<input type="text" value="01 23456598"/>
<div> Valider  Annuler</div> <div><input type="text"/></div>	

Then enter the fields of the following dialogue window, and then click the button “Valider”

5. To delete a user from the list, click the button “Supprimer”



NOTE: The user deletion pulls its definitive deletion: no confirmation will be asked.

Warehouse list management

NOTE: The warehouse list management is made the same way the user's management list is made. Refer to "the user list management."

CHAPTER 5

Appendices

Glossary of the terms and abbreviations

Login window

This window allows to reach three environments: « entry post », « assistant post » and « superintendent post », according to the login and password.

Entry post

Entry posts take into account parcel entering the platform, from the other transit platforms or entered locally.

Preparation post

Preparation posts and followed by the load of trucks.

Superintendent Post

Supervision system allowing to optimize the trucks movements between the various platforms, and to manage incidents

Steer code

The code steers allows to indicate a parcel and to show the information concerning it.

Packers

The assistants create load plan for the attention of the packers.

Santa Claus algorithm

The system looks for the distribution which allows to transport the maximum volume during the day (customer satisfaction).

Skinflint algorithm

The system looks for the slightest cost solution by minimizing the sum of kilometres multiplied by the volume of trucks.

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