

## Documentation Pandora ERP system.

### 3. Purchasing and supplier companies.

#### Description operation purchase table (orders\_inkoop Dutch)

#### Purchase (orders\_inkoop Dutch) orders table and its connections.

#### Purchase product lines (orders\_inkoop\_artikelen Dutch)

#### Purchase services lines (orders\_inkoop\_diensten Dutch)

bisystem=# \d orders\_inkoop

Table "public.orders_inkoop"				
Column	Type	Collation	Nullable	Default
orderinkoopID	integer		not null	
besteldatum	character varying(10)			''::character varying
goedgekeurd	character varying(10)			''::character varying
afgemeld	character varying(10)			''::character varying
betaald	character varying(10)			''::character varying
leverancierID	integer			
status	integer			0

Indexes:

"orders\_inkoop\_pkey" PRIMARY KEY, btree ("orderinkoopID")

Foreign-key constraints:

"leveranciers\_leverancierID\_fkey" FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")

Referenced by:

TABLE "dienstenmutaties" CONSTRAINT "orders\_inkoop\_orderinkoopID" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

TABLE "orders\_inkoop\_diensten" CONSTRAINT "orders\_inkoop\_orderinkoopID" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

TABLE "orders\_inkoop\_artikelen" CONSTRAINT "orders\_inkoop\_orderinkoopID\_fkey" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

TABLE "artikelmutaties" CONSTRAINT "orders\_inkoop\_orderinkoopID\_fkey" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

bisystem=# \d orders\_inkoop\_artikelen

Table "public.orders_inkoop_artikelen"				
Column	Type	Collation	Nullable	Default
ordartlevID	integer		not null	
orderinkoopID	integer			
artikelID	integer			
bestelaantal	double precision			0
inkoopprijs	double precision			0
levering_eind	character varying(10)			
reclamatie	character varying(10)			''::character varying
aantal_reclamaties	integer			0
ontvangstdatum	character varying(10)			''::character varying
ontvangen_hoeveelheid	double precision			0
acceptatie_datum	character varying(10)			''::character varying
hoeveelheid_acceptatie	double precision			0
betaald	double precision			0
regel	integer			0
levering_start	character varying(10)			''::character varying

Indexes:

"orders\_inkoop\_artikelen\_pkey" PRIMARY KEY, btree ("ordartlevID")

Foreign-key constraints:

"artikelen\_artikelID\_fkey" FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")

"orders\_inkoop\_orderinkoopID\_fkey" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

bisystem=# \d orders\_inkoop\_diensten

Table "public.orders_inkoop_diensten"				
Column	Type	Collation	Nullable	Default
orddienstlevID	integer		not null	
orderinkoopID	integer			
aanneemsom	double precision			0
acceptatie_gereed	double precision			0
acceptatie_datum	character varying(10)			''::character varying
werknummerID	integer			
omschrijving	character varying(50)			''::character varying
plan_start	character varying(10)			''::character varying
werk_start	character varying(10)			''::character varying
plan_gereed	character varying(10)			''::character varying
werk_gereed	character varying(10)			''::character varying
werkomschr	character varying(30)			''::character varying
regel	integer			1
meerminderwerk	double precision			0

Indexes:

"orders\_inkoop\_diensten\_pkey" PRIMARY KEY, btree ("orddienstlevID")

Foreign-key constraints:

"orders\_inkoop\_orderinkoopID" FOREIGN KEY ("orderinkoopID") REFERENCES orders\_inkoop("orderinkoopID")

"werken\_werknummerID\_fkey" FOREIGN KEY ("werknummerID") REFERENCES werken("werknummerID")

## Supplier (Leveranciers Dutch) table and its connections.

```
bisystem=# \d leveranciers
Table "public.leveranciers"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
leverancierID | integer         |           | not null |
bedrijfsnaam  | character varying(50) |           |          | ''::character varying
postcode      | character varying(6)  |           |          | ''::character varying
huisnummer    | character varying(5)  |           |          | ''::character varying
rechtsvorm    | character varying(10) |           |          | ''::character varying
toevoeging    | character varying(6)  |           |          | ''::character varying
telnr         | character varying(10) |           |          | ''::character varying
btwnummer     | character varying(14) |           |          | ''::character varying
kvknummer     | character varying(10) |           |          | ''::character varying
Indexes:
    "leveranciers_pkey" PRIMARY KEY, btree ("leverancierID")
Referenced by:
    TABLE "lev_accounts" CONSTRAINT "leveranciers_leverancierID" FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")
    TABLE "orders_inkoop" CONSTRAINT "leveranciers_leverancierID_fkey" FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")
    TABLE "dienstenmutaties" CONSTRAINT "leveranciers_leverancierID_fkey" FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")
```

### Ordering products:

The purchase is initiated from the module artikelbestellingen(item orders) and the table artikelen. The amount of ordering is determined for reserved stock (categorie >4):, by stock+reservations – order balance (categorie > 4) , and by minimum stock driven (categorie < 5), stock+bestelsaldo < minimum stock. With the module Request articles it is possible to query these components., with the menu Warehouse submenu Request articles line 3 pulldownmenu item 7 order by reservations and item 8 order by stock control. These items produce lists of orders.

The printing of the purchase orders is also done with the module article ordering pull down menu of Request articles. The printed orders go to the purchasing department.

Then the order is made the order balance is increased at the tables artikelen (articles) and the order status is blocked until delivery and approval..

The orderrules are added at table materiaallijsten (material lists) with ordered product, quantity, reservations and order balance.

Then the order is delivered and approved, the order status is released, the order balance is reduced, and stock is added by the number supplied on table artikelen. The order balance is reduced on table materiaallijsten (material lists)

After checking the bill is sent to accountancy for payment.

### Ordering Services and Material

The purchase order is initiated after linking from calculation to worknumber.

The services and equipment are stored in werken (works) as amounts for services and hours as material and added as totals in diensten (services).

When amounts are changed in orders the budgetchanges are booked as less/more work.

Also a orderlist is printed for ordering by the purchase department.

On basis of the description from the orderlist, an order with lines is made for the subcontractor. The services are divided in groups:

#### *Services:*

1. Hiring
2. Leadership
3. Housing siteoffice including public facilities
4. Cableworks
5. EarthMoving
6. Concrete
7. Transportation
8. Other Services

***Equipment:***

- A. Trencher
- B. Pressing machine
- C. Atlas faucet
- D. Crane big
- E Mainliner track
- F. Ballast clearing machine
- G. Flat wagon
- H. Locomotor
- J. Locotive
- K. Assembly venture
- L. Stormobile
- M. Robel train

The activities are stored in table orders\_inkoop\_diensten (orders\_purchase\_services)

When an activity is ready , approved and the subcontractor sends the bill, the activity transaction is booked with menuitem Works External item 6. Mutating costs services in the table dienstenmutaties (services transactions). Also the costs of the activities are added in table werken (works), in the field according to the relevant group.

After checking the bill is sent to accountancy for payment.