



SOPRANO S.R.L.

INSTRUMENTS DEPARTMENT

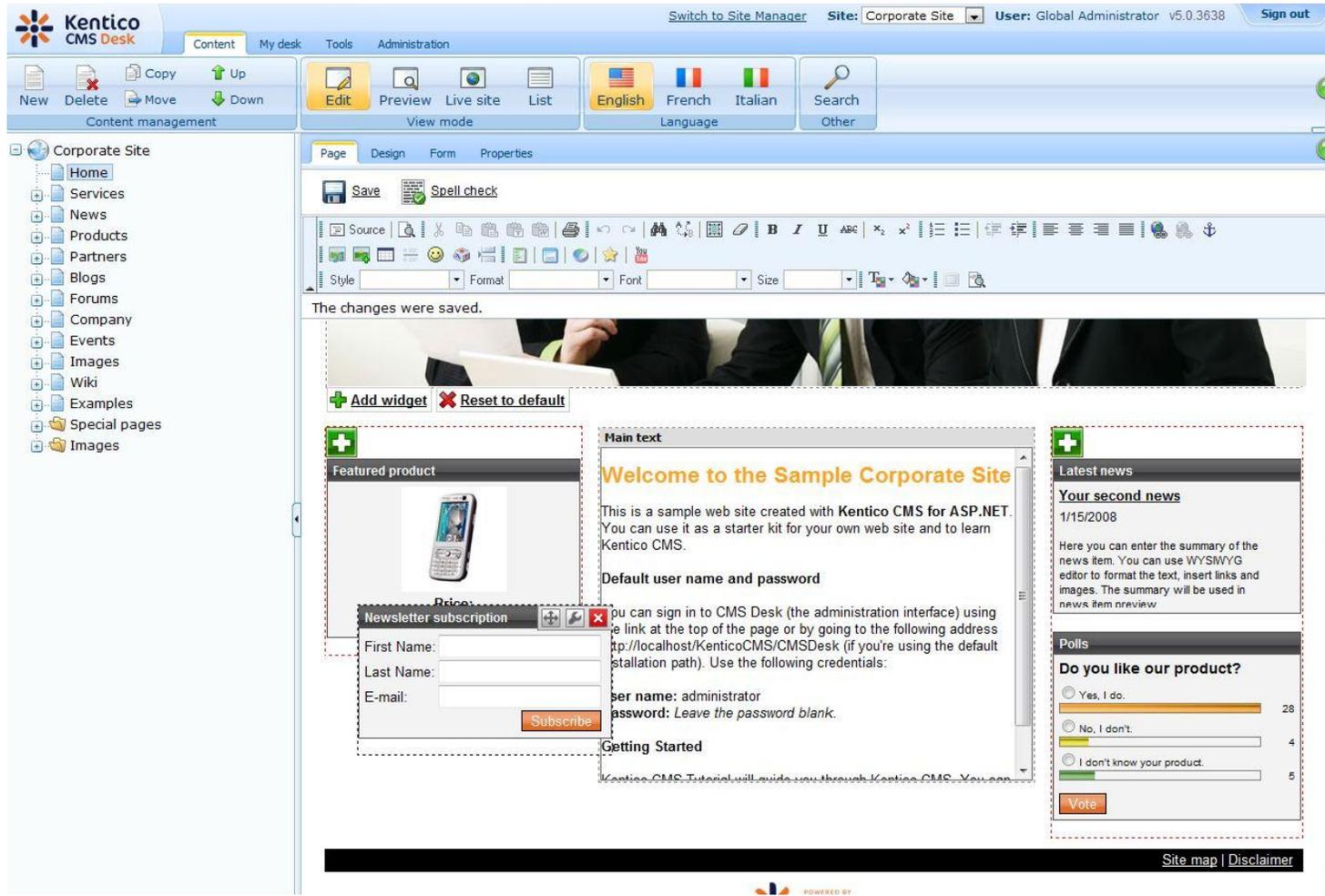
Отделы: 6

Общее количество сотрудников: 22

Из них руководителей: 7

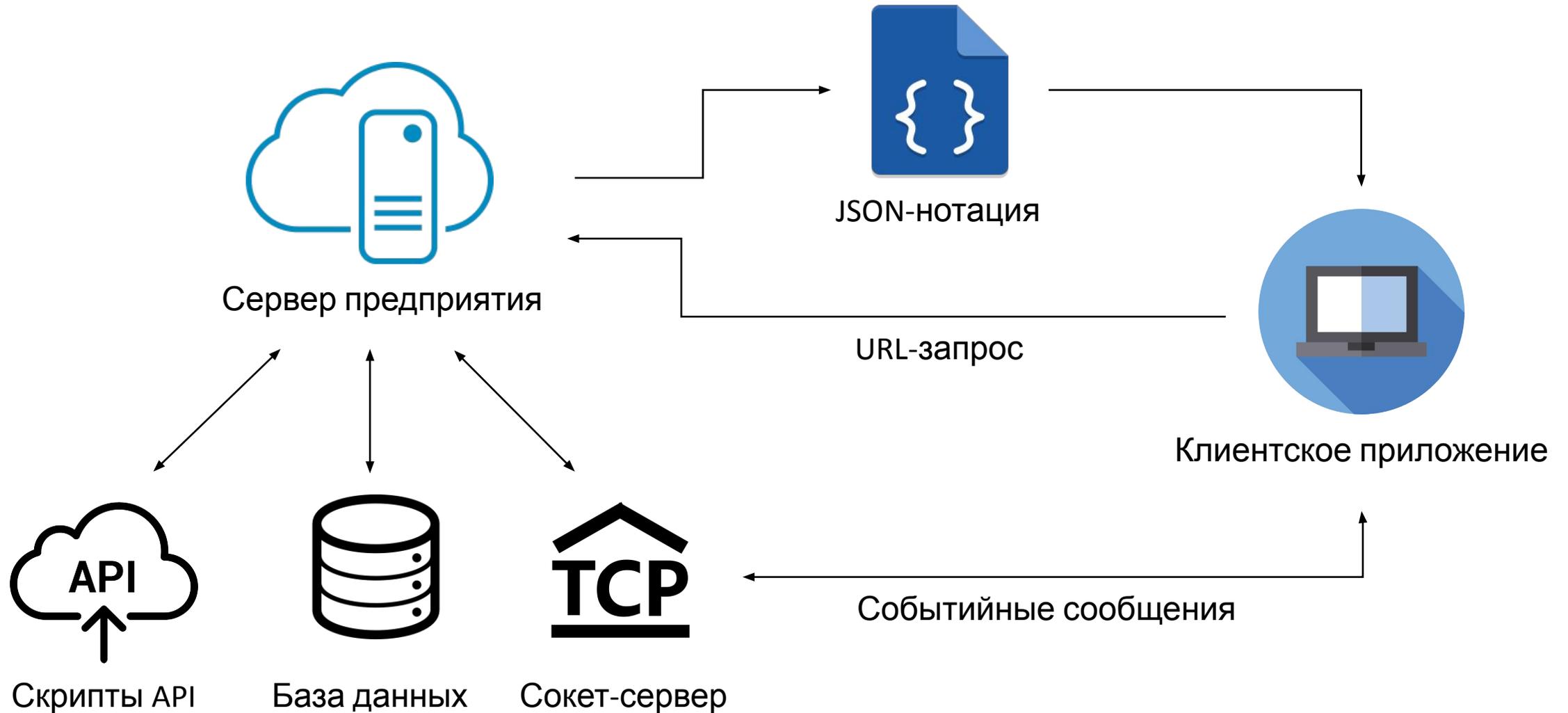
Количество систем АРМ: 4

Проблемы используемого ПО



- Неоправданно высокая стоимость единичной лицензии (4000 € / год)
- Ориентация на функционал вместо удобства использования
- Устаревший интерфейс с примитивными средствами кастомизации
- Потребность в квалифицированном персонале для обслуживания
- Закрытая экосистема взаимодействия с сервером

Взаимодействие «клиент-сервер»



Структура ответа сервера

```
{
  "success": true,
  "response": [
    {
      "id": 1,
      "post_id": 1,
      "department": 0,
      "first_name": "Dmitri",
      "last_name": "Soprani",
      "email": "dmitri@example.com",
      "phone1": "+1(234)567-89-10",
      "phone2": "+1(234)567-89-10",
      "social": "-",
      "permissions": [
        0,
        1,
        2,
        3,
        4,
        5
      ],
      "country_code": "IT",
      "external": 0,
    }
  ]
}
```

- Единая структура любого ответа
- Валидация JSON-объектов в соответствии с RFC 4627
- Информация об ошибках
- Реляционный подход к формированию зависимостей

Элементы интерфейса

The screenshot displays the SOPRANO INSTRUMENTS web application interface. At the top, a dark navigation bar contains the company logo and menu items: HOME, ADMINISTRATION, COMMERCIAL, MARKETING, TECHNICAL DEPARTMENT, PRODUCTION, and WAREHOUSE. Below this, a secondary navigation bar shows the current page as 'INVOICES' with various icons. The main content area is divided into two sections. On the left, a table lists invoices with columns for State, Invoice number, Invoice date, Company, Balance, Note, and Country. The third row is highlighted. On the right, a 'Sales 2019' bar chart shows monthly sales data with a legend for 'Confirmed', 'Expired', and 'Await' statuses. Below the chart, a 'SALE INVOICE' detail view shows company information, payment status, and invoice specifics.

State	Invoice number	Invoice date	Company	Balance	Note	Country
✓	6	09/06/2019	Test Com.	€ 1.500,00	It's a really cool PO for...	Canada
✓	7	08/03/2019	YANOTS S.PA	€ 10.000,00	Meow note	Hong Kong
✓	8	08/03/2019	YANOTS S.PA	€ 8.000,00	Some soprano data	Hong Kong
✓	9	08/02/2019	YANOTS S.PA	€ 5.500,00	Again, it's a soprano data	Hong Kong
!	10	08/06/2019	YANOTS S.PA	€ 31.000,00	Minecraft server of your...	Hong Kong
✓	5	26/02/2019	YANOTS S.PA	€ 2.000,00	From nowhere we exist	Hong Kong
✓	6	08/03/2019	YANOTS S.PA	€ 25.000,00	Botya's balance	Hong Kong
✖	8	19/03/2019	POLYGA	€ 2.046,00	Consegna DHL	Canada
✖	7	09/08/2019	First programmatically...	€ 15.000,00	22	Slovenia
✓	9	05/04/2019	YANOTS S.PA	€ 4.112,00	aefoef	Hong Kong
✓	INV322	11/06/2019	YANOTS S.PA	€ 32.189,19	NOTE	Hona Kona

Sales 2019

Month	Confirmed	Expired	Await
Jan	7500		
Feb			
Mar	25064	25036	
Apr	4112		
May	50125		
Jun	5425	10500	
Jul			48464,19
Aug	2425	9750	
Sep			
Oct			
Nov			
Dec			

Legend:
Confirmed - 37 - € 102.023,00
Expired - 3 - € 10.096,00
Await - 12 - € 76.153,19

SALE INVOICE

Company: YANOTS S.PA - Polevaya st., 5 196641 Saint-Petersburg - Hong Kong

Payments state: Valid

Note: Some soprano data

Balance: € 8.000,00 | Invoice date: 08/03/2019 | Invoice number: 8

Payment conditions

Панель навигации

Переключатель подстраниц

Содержимое страницы

Меню табличных объектов

Управление пользователями

The screenshot displays a user management interface. On the left, there is a sidebar with navigation options: 'Company', 'Interface', and 'Server'. The main area shows a list of users under the heading 'USERS'. The list includes columns for Photo, First name, Last name, Department, Position, Mobile phone, Email, Social network, Post, and Country. The user 'Xenia Mazneva' is highlighted in orange. Below the list, there is a detailed view of the selected user, 'Xenia', with fields for First name, Last name, Country, Department, Post, Phone, Mobile phone, Email, Social network, External, Localizations, Position, Permissions, and Devices. The 'External' field has a toggle switch.

Photo	First name	Last name	Department	Position	Mobile phone	Email	Social network	Post	Country
	Semyon	Semyonov	Commercial	Dota 2 player	-	semyon@exa...	-	Sales manager	Russian Federation
	Andrey	Kakaito	Commercial	Electricity...	-	-	-	Sales manager	Russian Federation
	Alexandra	Pivko	Commercial	Food tester	-	-	-	Sales manager	Russian Federation
	Anastasia	Pasternak	Commercial	CEO's daughter	+1(234)567-89-10	nasty@exam...	-	Sales manager	Russian Federation
	Xenia	Mazneva	Commercial	CEO's daughter	+1(234)567-89-10	xenia@exampL...	-	Sales manager	Italy
	Владимир	Калямун	Commercial		322-228-1488	butman@mail...	-	CEO	Russian Federation
	Igor	Timofeev	Commercial	Fullstack...	+1(234)567-89-10	igor@example...	Skype...	Superuser	Russian Federation
	Gleb	Trifonov	Commercial	Minecraft...	+1(234)567-89-10	gleb@mail.ru	-	Partner	Russian Federation
	Polya	Znotkova	Commercial	Meow	+1(234)567-89-10	polya@mail.ru	-	Sales manager	Russian Federation
	Nikita	Yarichev	Commercial	Nikita :)	+1(234)567-89-10	nikita@mail.ru	-	Partner	Russian Federation
	Polvn	Redhead	Commercial	Polvn	+1(234)567-89-10	polvaRed@ma	-	Sales manager	Russian Federation

USER Edit

First name: Xenia
Last name: Mazneva
Country: Italy
Department: Commercial
Post: Sales manager

Phone: +1(234)567-89-10
Mobile phone: +1(234)567-89-10
Email: xenia@example.com
Social network: -
External:

Localizations: English (selected), Italian, German, Russian, Chinese
Default language

Position: CEO's daughter

Permissions

Devices

- Назначение должностей и прав использования ПО
- Регистрация устройств для взаимодействия с API
- Заполнение контактной информации

Управление счетами-фактурами

The screenshot shows the 'INVOICES' section of the Soprano Instruments web application. The top navigation bar includes 'HOME', 'ADMINISTRATION', 'COMMERCIAL', 'MARKETING', 'TECHNICAL DEPARTMENT', 'PRODUCTION', and 'WAREHOUSE'. The 'INVOICES' section features a search bar, a filter for the year '2019', and a list of invoices. The selected invoice (ID 8) is highlighted in orange. To the right, a 'Sales all months' chart is displayed. Below the invoice list, there are buttons for 'Report', 'Report PDF', 'Export PDF', 'Export data', and 'Import data'. The bottom section shows the details of the selected 'SALE INVOICE' for company 'YANOTS S.P.A.', including the balance of € 8,000.00, invoice date of 08/03/2019, and invoice number 8. The payment conditions are listed as '30 at order 30% - RIBA 30/60/90/120 G DFFM'.

State	Invoice number	Invoice date	Company	Balance	Note	Country
✓	6	09/06/2019	Test Com.	€ 1.500,00	It's a really cool PO for...	Canada
✓	7	08/03/2019	YANOTS S.P.A.	€ 10.000,00	Meow note	Hong Kong
✓	8	08/03/2019	YANOTS S.P.A.	€ 8.000,00	Some soprano data	Hong Kong
✓	9	08/02/2019	YANOTS S.P.A.	€ 5.500,00	Again, it's a soprano data	Hong Kong
!	10	08/06/2019	YANOTS S.P.A.	€ 31.000,00	Minecraft server of your...	Hong Kong

5 rata	2	3	4	5	6
08/06/2019	08/06/2019	08/06/2019	08/06/2019	08/06/2019	30/06/2019
€ 2.380,80	€ 1.388,80	€ 1.388,80	€ 1.388,80	€ 1.388,80	€ 64,00

- Фильтрация объектов по типу, году и месяцу
- Статистическая сводка в виде графиков
- Управление платежами и автоматический контроль сумм
- Поддержка импорта и экспорта

Импорт данных на примере счетов-фактур

Fields matching		CSV file contents						
Required key	CSV file key	Balance	Invoice number	Invoice timestamp	Company ID	Is purchase	Category	Note
balance	Balance	6895.51	INV 501	1557839714	1	0	0	Little Fleur
invoice_number	Invoice number	8113.56	INV 875	1557839714	1	0	0	Kropf
invoice_timestamp	Invoice timestamp	3222.26	INV 88177	1557839714	1	0	0	Buhler
company_id	Company ID	8983.28	INV 50	1557839714	1	0	0	Debra
is_purchase	Is purchase	4600.89	INV 9	1557839714	1	0	0	Arizona
category	Category	5472.22	INV 41883	1557839714	1	0	0	Barnett
note	Note	5779.28	INV 4611	1557839714	1	0	0	Southoff
		3825.02	INV 56544	1557839714	1	0	0	Ohio
		3111.9	INV 7954	1557839714	1	0	0	Transport
		6333.93	INV 051	1557839714	1	0	0	Cherokee
		1246.92	INV 77	1557839714	1	0	0	Loftsgordon
		7609.44	INV 4126	1557839714	1	0	0	Lunder
		3886.1	INV 010	1557839714	1	0	0	Westport
		6102.9	INV 7642	1557839714	1	0	0	Johnson
		8026.63	INV 142	1557839714	1	0	0	Anniversary

Select matching CSV field

Balance ▼

Cancel Confirm

- Выбор полей с любыми названиями
- Асинхронная загрузка на сервер в фоновом режиме
- Оповещение об окончании процедуры
- Поддержка форматов CSV и XLS/XLSX

Пользовательский ежедневник

The screenshot displays the Soprano Instruments web application interface. At the top, there is a navigation bar with the company logo and menu items: HOME, ADMINISTRATION, COMMERCIAL, MARKETING, TECHNICAL DEPARTMENT, PRODUCTION, and WAREHOUSE. Below the navigation bar, the main content area is divided into two sections: 'NOTEBOOK' and 'SYSTEM MESSAGES'. The 'NOTEBOOK' section contains a table of entries with columns for Type, Date, Time, Title, Note, Person, and State. The entry for '10/06/2019 15:00 BF Milano (RHO)' is highlighted. To the right of the notebook is a calendar for June 2019, with the date '12' circled. Below the notebook and calendar, there is a 'SYSTEM MESSAGES' section with a similar table structure. At the bottom of the interface, a modal window is open for editing the entry 'BF Milano (RHO)'. It includes fields for Date, Time, Person, Alarm, and Note, along with 'Delete', 'Cancel', and 'Save' buttons.

Type	Date	Time	Title	Note	Person	State
	02/03/2019	16:30	MIDO 2019 - Fiera Milano (Rho)	Preparare il materiale per la fiera.	Dimitri	x
	24/02/2019	20:16	MEMORY APPOINTMENT IN...	Dati da whatsapp Nicolò	Sig. Giuseppe Oliva	x
	21/03/2019	02:00	TREVI STAMPI	Scanner low coast	Andrea Vigolo	x
	26/03/2019	16:00	Piero Taumac	ADAM non funziona		x
	10/06/2019	15:00	BF Milano (RHO)	Incontro tecnico	Furio	x
	15/04/2019	08:00	GER ELETTRONICA - DEMO	Sentire il resp per...	Cesare Dal Monte	✓
	29/04/2019	08:00	prova	Scanner low coast	prova	x

Type	Payment date	Company	Reference document	Note	State
	30/06/2019	YANOTS S.P.A	Invoice payment - 8 - 6	Some soprano data	🔕
	30/04/2019	YANOTS S.P.A	Invoice payment - 10 - 2	Minecraft server of your dreams	🔕
	31/05/2020	YANOTS S.P.A	Invoice payment - 10 - 3	Minecraft server of your dreams	🔕
	30/06/2020	YANOTS S.P.A	Invoice payment - 10 - 4	Minecraft server of your dreams	🔕

- Фильтрация пользовательских заметок по датам, именам, лицам
- Управление административными сообщениями, подтверждение состояний внутренних проектов, валидация счетов-фактур и т.п.

Конфигурирование производимого товара

The screenshot displays the SOPRANO INSTRUMENTS web application interface. The top navigation bar includes: HOME, ADMINISTRATION, COMMERCIAL, MARKETING, TECHNICAL DEPARTMENT (highlighted), PRODUCTION, and WAREHOUSE. The main content area is titled "ITEMS MANAGER" and features tabs for "Items", "Components", and "Categories". A search bar is present, and a sidebar on the left shows a category tree with "Cameras" selected, containing sub-items "AURORA LINE" and "Accessories".

The "Items" table lists the following items:

Sort	Photo	Article	Factory ID	Price	Name	Short description	Full description	Service	Component
0		BFY23	1223	€ 400,00	Camera 2.3Mpx	2.3 mpx cameras offer HD...	df	x	✓
0		BFL13	1230	€ 250,00	Camera 1.3Mpx	HD Digital camera	we	x	✓
0		BC	M		B&W Camera	Black and white camera sensor	x	x	✓

The "ITEM" configuration page for article BFY23 (Factory ID 1223, Sort 0) is shown below. It includes a product image and a list of configuration options:

- Article: BFY23, Factory ID: 1223, Sort: 0
- Package:
- Assembled:
- Maintenance:
- Service:
- Component:

Configuration options include:

- Localizations
- Categories
- Included components
- Allowed components
- Whitelisted components
- Blacklisted components
- Package info

Package info details:

Customs code	Type	Time
CAM-14-12	Металлический кейс	12 суток
Size	Weight	
12 x 12 x 12	35.2	
Packaged size	Packaged weight	
14.5 x 16.8 x 14.5	42.5	