

# HGKtech

DIGITAL TRANSFORMATION  
ROBOTICS  
SUSTAINABLE GROWTH  
BIG DATA  
GLOBAL ECONOMY



PREDAVAČ: Marijan Sever



HRVATSKA GOSPODARSKA KOMORA  
CROATIAN CHAMBER OF ECONOMY

PLANNED  
Time in Planned Downtime  
01:29:18

RUNNING  
Time in Running  
01:51:33  
Time in Running Job / Shift  
01:51:33 / 01:58:18



Maxon Carryphone bio je prvi mobitel koji se mogao kupiti u Hrvatskoj 1991. godine kada je i kod nas krenuo razvoj mobilne telefonije. Sam uređaj koštao je oko 14.400 maraka, za što se mogao i kupiti auto, a auto vam je i trebao ako ste htjeli nositi ovu grdosiju od telefona.



- **AMD introduces the AM386 microprocessor family in March.**
- **Intel introduces the Intel 486SX chip in April**
- **Microsoft releases Visual Basic in May of 1991.**
- **Apple introduces System 7 operating system May 13, 1991.**
- **MS-DOS 5.0 was released June, 1991.**
- **Apple releases the PowerBook in October of 1991.**
- **Python is introduced.**
- **HTTP/0.9 is introduced.**
- **The programming language FORTRAN 90 is created.**

New computer products and services introduced in 1991



**The World Wide Web is launched to the public August 6, 1991.**

Tim Berners-Lee, a scientist at the Particle Physics Laboratory (CERN) in Geneva, Switzerland.

**Coined in 1991, the Internet of Things (IoT)**

refers to an idea of all objects in the world being uniquely identifiable, tracked, and displayed virtually using an Internet-like structure.

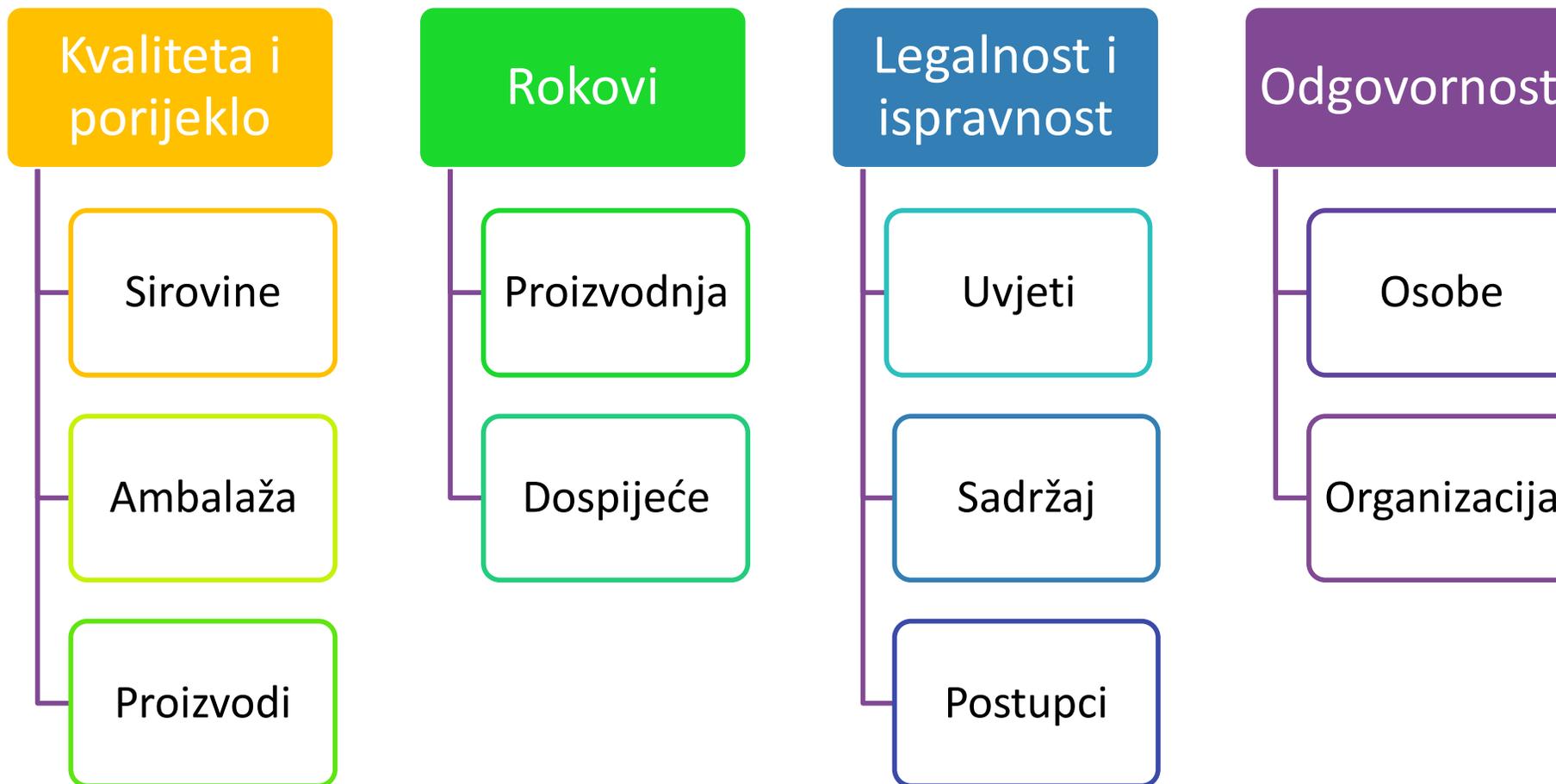
- **Preko 25 godina iskustva**

Codel je inženjering tvrtka, koja se bavi isključivo razvojem i proizvodnjom elektroničkih uređaja i informatičkih sustava.

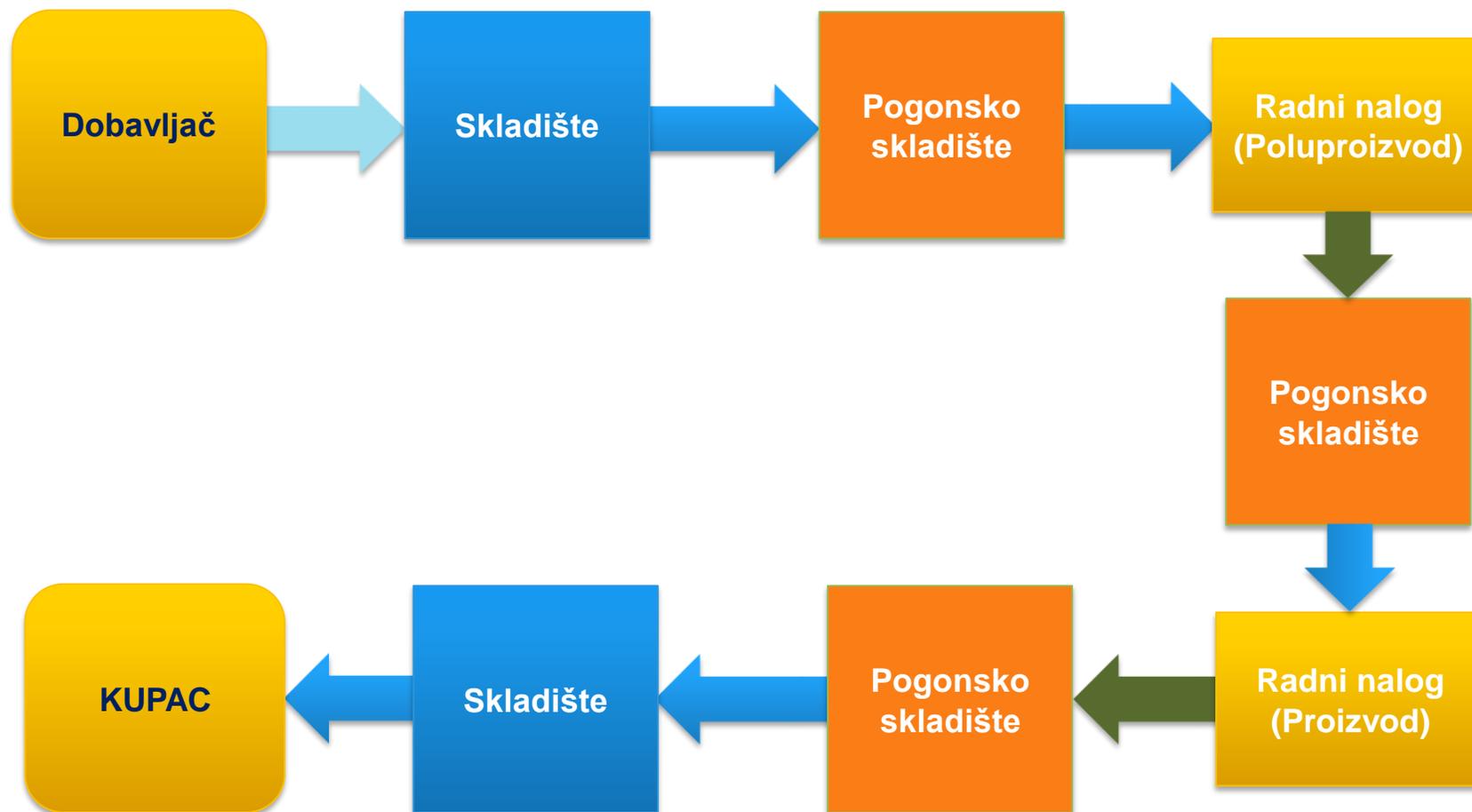
Naši glavni proizvodi su:

- vertikalne integracije
- sustav sljedivosti
- kontrola kvalitete
- upravljanje skladištima i proizvodnjom
- automatsko označavanje i identifikacija proizvoda

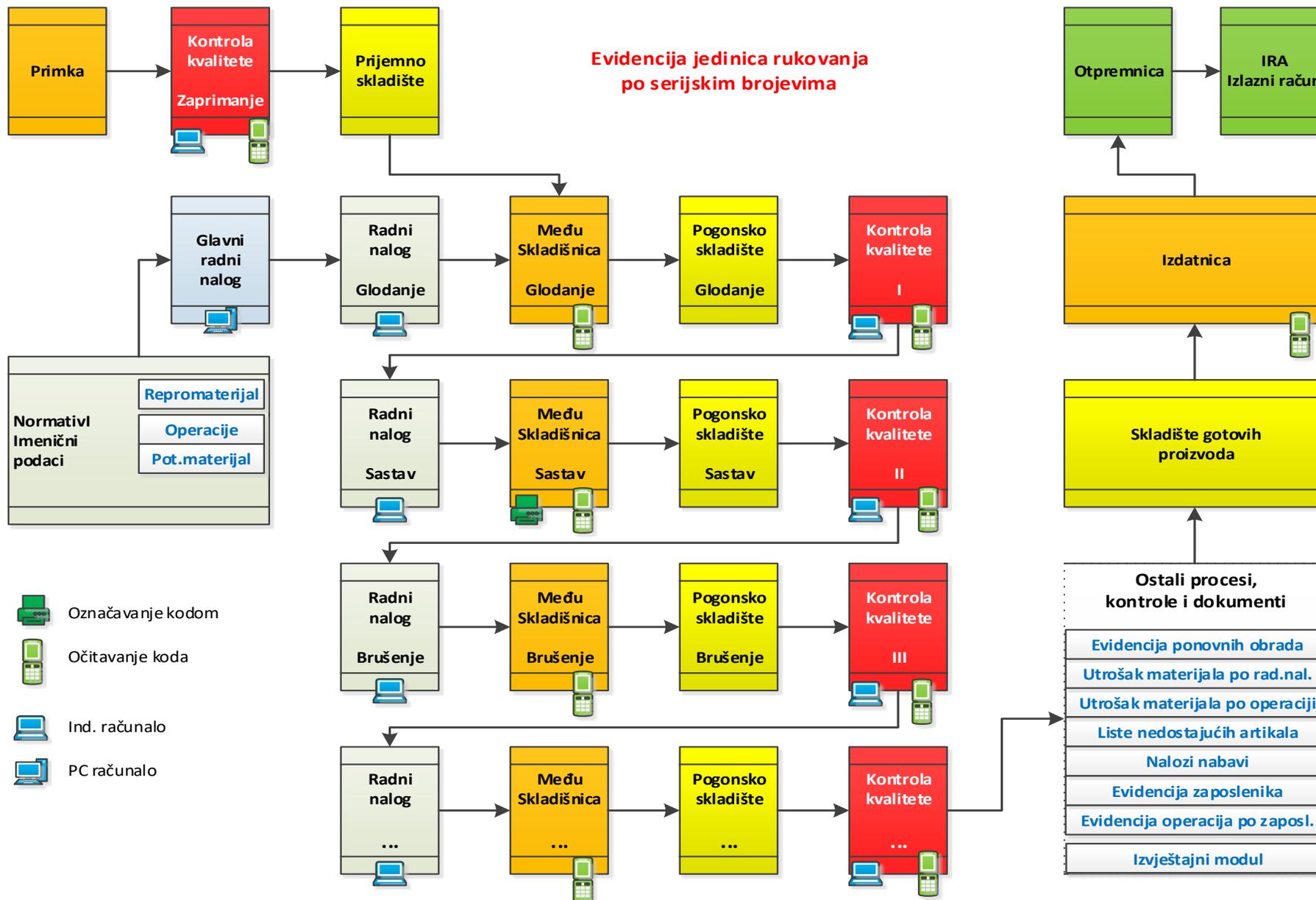


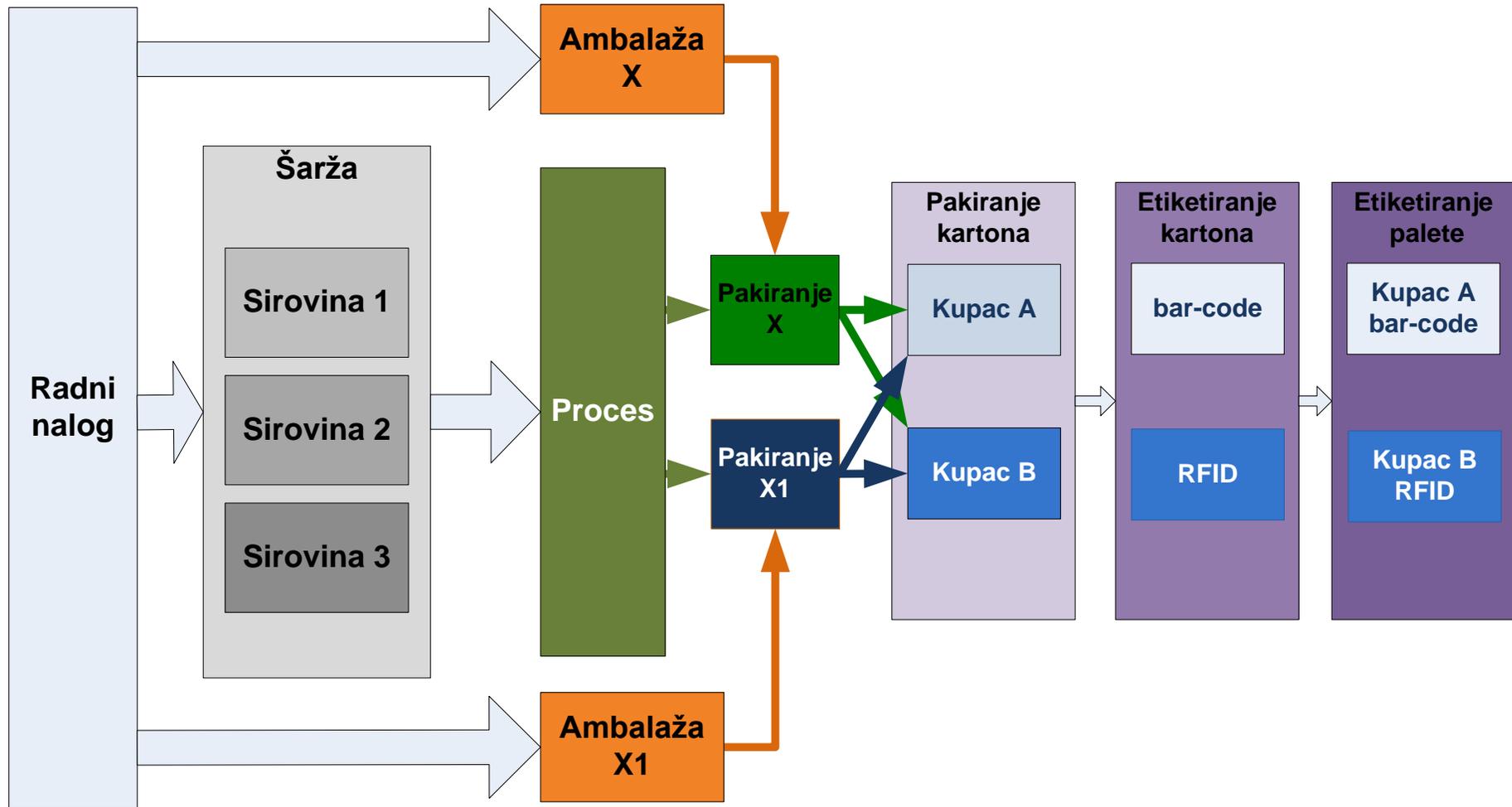


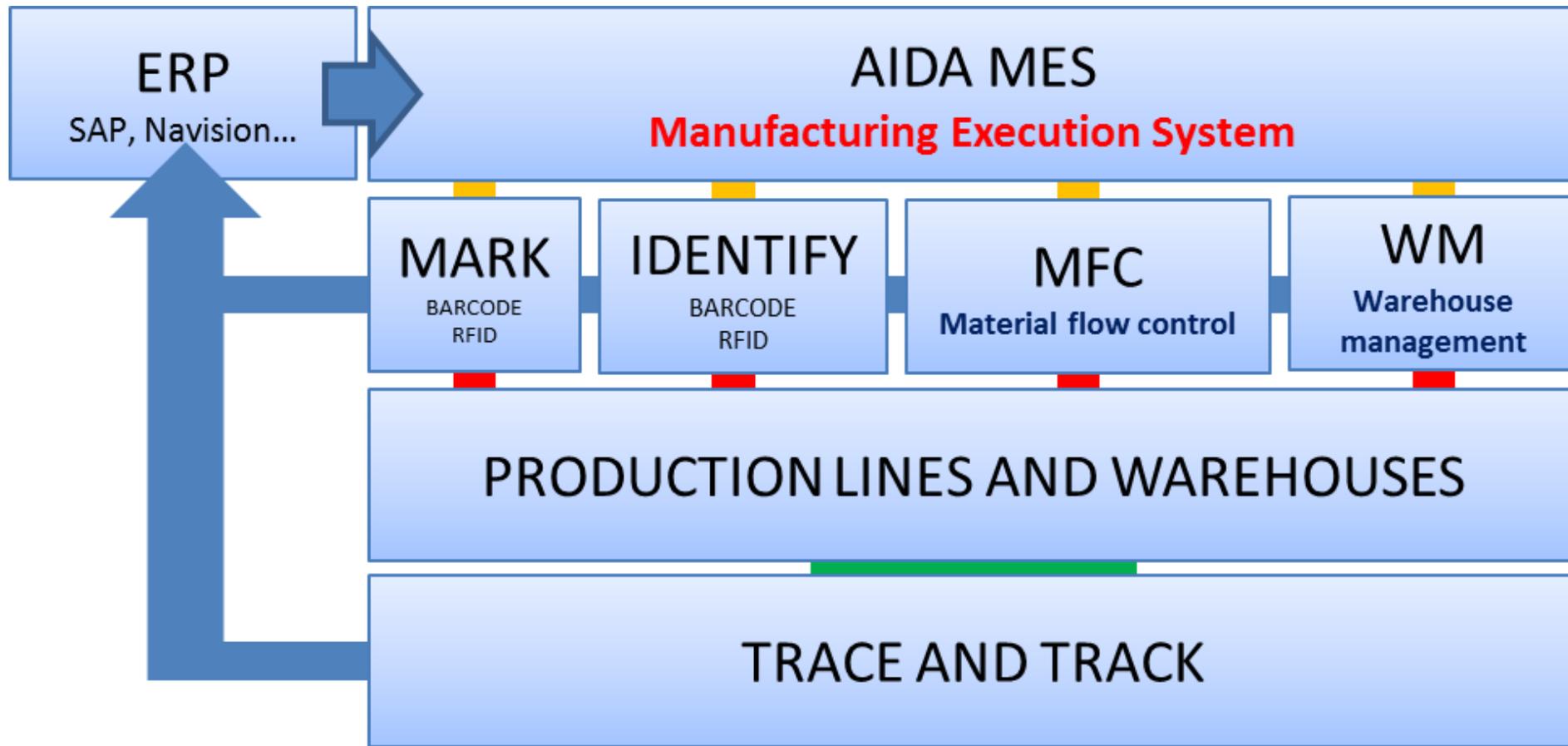
## Standardni skup procesa: od dobavljača do kupca



# Standardni proces detaljnije







IDOC Manager

Prijenos podataka: Nema aktivnog projekta

XML to database | XSD to database

XML processing | Multiple XML files processing | Data base

Load XML data | XML tree expand | XML tree collaps | Load ALL XML files | Stop processing | Save table fields to DB

XML Selector | IDOC tables and fields | Log data

**XML Tree**

- E:IMBEWM: SEGMENT = 1;
  - MSGFN = 005
  - BWKEY = TD03
  - VPRSV = S
  - VERPR = 570.82
  - STPRS = 570.82
  - PEINH = 1000
  - BKLAS = 6320
  - VMVPR = S
  - VMVER = 570.82
  - VMSTP = 570.82
  - VMPEI = 1000
  - VMBKL = 6320
  - VJVPR = S
  - VJVER = 0
  - VJSTP = 932.93
  - LFGJA = 2013
  - LFMON = 03
  - ZKPRS = 0
  - ZKDAT = 00000000
  - BWPRS = 0
  - BWPRH = 0
  - VJBWS = 0
  - VJBWH = 0
  - VVJLB = 0.000
  - VVMLB = 0.000
  - VVSAL = 0
  - ZPLPR = 0
  - ZPLP1 = 0
  - ZPLP2 = 0
  - ZPLP3 = 0
  - ZPLD1 = 00000000
  - ZPLD2 = 00000000

**MATMAS05 Data**

Fld.No.	Field name	Field value	Exists
<b>EDI_DC40</b>			
1	TABNAM	EDI_DC40	Y
2	MANDT	240	Y
3	DOCH...	00000000112345	Y
4	DO...		
5	ST...		
6	DI...		
7	OU...		
8	ID...		
9	ME...		
10	SN...		
11	SN...		
12	SN...		
13	RC...		
14	RC...		
15	RC...		
16	CR...		
17	CR...		
18	SE...		
1	MS...		

HttpServer

Activate - Deactivate Server | Delete -Create Server | Delete Server | Close

Start Server: 2014.04.27.08.58.19

Heartbeat

Number

```

1201. IP:10.1.1.27| Port: 58564| DateTime: 14
1202. IP:10.1.1.26| Port: 63866| DateTime: 14
1203. IP:10.1.1.25| Port: 57984| DateTime: 14
1204. IP:10.1.200.60| Port: 19048| DateTime: 14
1205. IP:10.1.1.25| Port: 57989| DateTime: 14
1206. IP:10.1.1.26| Port: 63874| DateTime: 14
1207. IP:10.1.200.60| Port: 19059| DateTime: 14
1208. IP:10.1.200.60| Port: 19063| DateTime: 14
1209. IP:10.1.200.60| Port: 19072| DateTime: 14
1210. IP:10.1.200.60| Port: 19077| DateTime: 14
1211. IP:10.1.1.27| Port: 58589| DateTime: 14
1212. IP:10.1.200.60| Port: 19095| DateTime: 14
1213. IP:10.1.1.26| Port: 63897| DateTime: 14
1214. IP:10.1.1.26| Port: 64123| DateTime: 14
1215. IP:10.1.1.26| Port: 64125| DateTime: 14
    
```

Main

Check log | Check posts | Clean text | Close

● Checking...

● No posts: 14.5.2014. 11:13:15 / 1226

```

B0AA0935DBC5_10.1.200.60_19077.txt
HttpXmlPost\2014.05.14 10.48.30.48 _7FB212EB-7473-4B09-8E7F-B0AA0935DBC5_10.1.200.60_19077.txt
1222. Time: 14.5.2014. 10:49:12 Saving: HttpXmlPost\2014.05.14 10.49.11.49 _2BBF4786-24EB-4BAB-8427-408257985C29_10.1.1.27_58589.txt
HttpXmlPost\2014.05.14 10.49.11.49 _2BBF4786-24EB-4BAB-8427-408257985C29_10.1.1.27_58589.txt
1223. Time: 14.5.2014. 10:49:23 Saving: HttpXmlPost\2014.05.14 10.49.23.49 _2956E068-BD70-4CCB-8636-0EEC1DE57D59_10.1.200.60_19095.txt
HttpXmlPost\2014.05.14 10.49.23.49 _2956E068-BD70-4CCB-8636-0EEC1DE57D59_10.1.200.60_19095.txt
1224. Time: 14.5.2014. 10:49:55 Saving: HttpXmlPost\2014.05.14 10.49.55.49 _E2D0C986-F32A-463B-A1D1-D81BF83DCA05_10.1.1.26_63897.txt
HttpXmlPost\2014.05.14 10.49.55.49 _E2D0C986-F32A-463B-A1D1-D81BF83DCA05_10.1.1.26_63897.txt
1225. Time: 14.5.2014. 11:13:13 Saving: HttpXmlPost\2014.05.14 11.13.13.13 _82CA90B3-167F-4B70-826E-8653656D1D9F_10.1.1.26_64123.txt
HttpXmlPost\2014.05.14 11.13.13.13 _82CA90B3-167F-4B70-826E-8653656D1D9F_10.1.1.26_64123.txt
1226. Time: 14.5.2014. 11:13:15 Saving: HttpXmlPost\2014.05.14 11.13.13.13 _9F229FC9-4ED4-4F59-B9AF-637B3B0192C3_10.1.1.26_64125.txt
HttpXmlPost\2014.05.14 11.13.13.13 _9F229FC9-4ED4-4F59-B9AF-637B3B0192C3_10.1.1.26_64125.txt
    
```

**Uređivanje etiketa**

Uređivanje etikete    Uređivanje SQL podataka    Uređivanje polja etikete    Uređivanje etikete

+ Dodaj SQL podatke etiketi    S Spremi etiketu    U Uvezi datoteku    S Spremi u datoteku

Aktivna etiketa: Rusija

Odabir etikete za uređivanje: **Uređivanje etikete**

Code Data Page1

Page1

- Cijena
- Picture2
- Shape9
- Shape10
- Shape8
- Shape5
- Shape6
- Shape7
- Shape4
- Shape3
- Shape2
- Shape1
- Picture1

Page1: TfxReportPage

Properties Events

BackPicture

BackPicturePrintable  true

BackPictureVisible  false

BottomMargin 0,25

Color cNone

Columns 0

DataSet (Not assigned)

Duplex dmNone

EndlessHeight  false

EndlessWidth  false

Font (TFont)

Frame (TFrame)

LargeDesignHeight  false

LeftMargin 0,50

MirrorMargins  false

Name Page1

Orientation poPortrait

OutlineText

PageCount 1

PaperHeight 15

PaperSize Custom

PaperWidth 10,40

BackPicture

The background page picture

Centimeters 5,98; 8,06    Page1

Изготовитель:  
ТДР д.о.о. Обала В. Назора 1  
62210 Ровинь, Хорватия

Место осуществления производства:  
Буричи 8.Б.  
62352 Канфанар, Хорватия

TDR

[RepDataSet."KupacUlica"]  
[RepDataSet."KupacMjest"]  
[RepDataSet."K"] [RepDat

et."SifMat"    Set."Serii

[RepDataSet."PuniNaziv"]

[RepDataSet."AI

[RepData:    Дата изготовления    [Set  
DataSet."DateT"] [Set

[Rep    шт Сигареты с фильтром  
[RepDataSet."Pro\_Memo2"]

0 000012

123456780000002

13 140101 240 98765432100

90 101037 400 11111111 3102 9999 99

0080100000000067594

RepDataSet

- RedniBroj
- Radni\_nalog
- Seriya
- BrLinije
- SifMat
- OpisMaterijala
- LGORT
- BMEINS
- WERKS
- IDProizvoda
- AIDANazivPro
- Proizvod
- PuniNaziv
- Pro\_Memo1
- Pro\_Memo2
- BoxKol
- BARCODE
- IDKupca
- Kupac
- AIDANazivKupca
- KupacPB
- KupacMjesto
- KupacUlica
- ZemljaKup
- BrKupaca
- IDNalj
- OpisNalj
- JedMj
- Raspored
- PlanMemo
- PaletaMemo
- PaletaMemo1
- KutijaRN
- KartonaRN
- PaletaRN
- KutijaKarton
- KartonPaleta

Create field  
Create caption  
Sort by Name

101037 SB HR BBT 06

13 140101 240 98765432100

90 101037 400 11111111 3102 9999 99

0080100000000067594

**Ručni unos**

	Polja etikete	Tip podataka	Opis	Podaci
1	Barkod 2	90	Šifra mat.	101037
2	Barkod 2	400	Narudžbenica	11111111
3	Barkod 2	3102	Masa	9999,99
4	Barkod 3	13	Datum pak.	01.01.2014
5	Barkod 3	240	Broj za reklam.	98765432100

Programi Sakrij BCManager O programu

The screenshot displays a grid of server status panels. Each panel shows a server ID (e.g., NAT199, ISM6, TWA71) and various status indicators like 'Ri', 'Tx', 'Ch', and 'C'. A central dialog box titled 'Bar code konfigurator' is open, showing a table of server configurations.

Poruka	BarCodeID	Mode	Base ID	Podaci
183	1405	One Way	1900	106282490
184	1405	One Way	1900	B37931B1472K 60
185	1405	One Way	1900	106296821
186	1405	One Way	1900	B37931K 223K 60V28
187	1407	One Way	1900	NAT69 2
188	1407	One Way	1900	9K106306195D090212
189	1407	One Way	1900	T0010306007125Q5000
190	1407	One Way	1900	NAT69 6
191	1403	One Way	1901	TWA152 2
192	1403	One Way	1901	9K106299131D090212
193	1403	One Way	1901	T0010299348450Q4000
194	1403	One Way	1901	TWA152 6
195	1407	One Way	1900	NAT69 5
196	1407	One Way	1900	NAT69 7
197	1407	One Way	1900	1108
198	1405	One Way	1900	106306374
199	1405	One Way	1900	B37930B1221J 60
200	1410	One Way	1900	TWA13 2
201	1410	One Way	1900	9K106299134D090213
202	1410	One Way	1900	T0010299463004Q4000
203	1410	One Way	1900	TWA13 6

Index: 8 TimeStamp: 13.02.2009 16:52:42  
Data: 9K106306195D090212  
Index: 8 TimeStamp: 13.02.2009 16:52:45  
Data: NAT69 2  
Index: 8 TimeStamp: 13.02.2009 16:52:47  
Data: 9K106306195D090212  
Index: 8 TimeStamp: 13.02.2009 16:52:49

SIAN Kontrol panel

Kanali Indikacije O programu

The interface displays 20 individual machine control panels arranged in a grid. Each panel includes the following information:

- Machine ID:** MIP\_1 through MIP\_14, and PRN\_1 through PRN\_4.
- Machine Name and Details:**
  - MIP\_1: WW100's ROVITABG, RN:K6RB029, Kol:1037, Kut:464, Pal:12, ISPIS
  - MIP\_3: MPA i pisač off line...
  - MIP\_4: MPA i pisač off line...
  - MIP\_8: Res RED ADAM TRA, RN:K6AD107, Kol:1500, Kut:182, Pal:7, Čekam PRB signal
  - MIP\_10: RHL ADAM TRA, RN:K6AD107, Kol:500, Kut:110, Pal:5, Čekam PRB signal
  - MIP\_12: RHL ROKŠ.DFS, RN:K6R0018, Kol:343, Kut:37, Pal:2, Čekam PRB signal
- Status:** Most machines show "Status: U radu" (Operational). MIP\_3 and MIP\_4 are "off line".
- Controls:** Stop, Start, Pauza (Pause), and Clear buttons.
- Indicators:** Digitalni izlazi (Digital outputs) and Digitalni ulazi (Digital inputs) shown as rows of colored dots (green for active, red for inactive). Ser. kanali (Serial channels) shown as rows of colored bars.
- Relay Outputs:** Relejni izlazi shown as rows of colored dots.

