# Store, visualize and analyze collected information.

## For single or multiple users.

VIZKEY
THE TOOL FOR INVESTIGATORS

e-governance
e-security
e-analysis

Information...

...visualization

REAL SYSTEMS
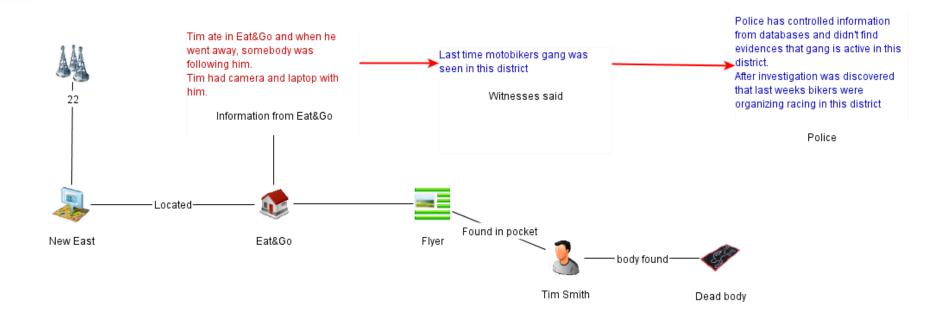
# All in one:

- database
- visualization area
- analysis functions
- administration
- connection to external databases

# Graphical investigation…



Tim ate in Eat&Go and when he went away, somebody was following him.
Tim had camera and laptop with him.

Information from Eat&Go

Last time motobikers gang was seen in this district

Witnesses said

Police has controlled information from databases and didn't find evidences that gang is active in this district.
After investigation was discovered that last weeks bikers were organizing racing in this district

Police

22

New East — Located — Eat&Go — Flyer — Found in pocket — Tim Smith — body found — Dead body

# ...can be more visualized

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22

Located

New East

Eat&Go

Flyer

Found in pocket

body found

Tim Smith

Dead body

Photos on chart

Object

Flyer

Main data | Relations

A↕ Name:

Flyer

File: jpg  Open  Cha

Description:
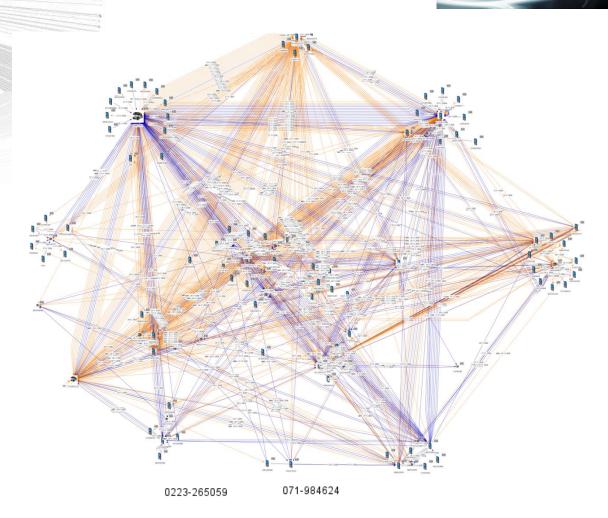
Eat&Go restaurant

Save changes

Photos/documents can be saved in VizKey

Digi7255467938211151470.jpg - Windows Photo Vi...

File ▼  Print ▼  E-mail  Burn ▼  Open ▼

AFTER PARTY

Background image

movement of goods

Movement of goods

# Easy to add information

0223-265059        071-984624
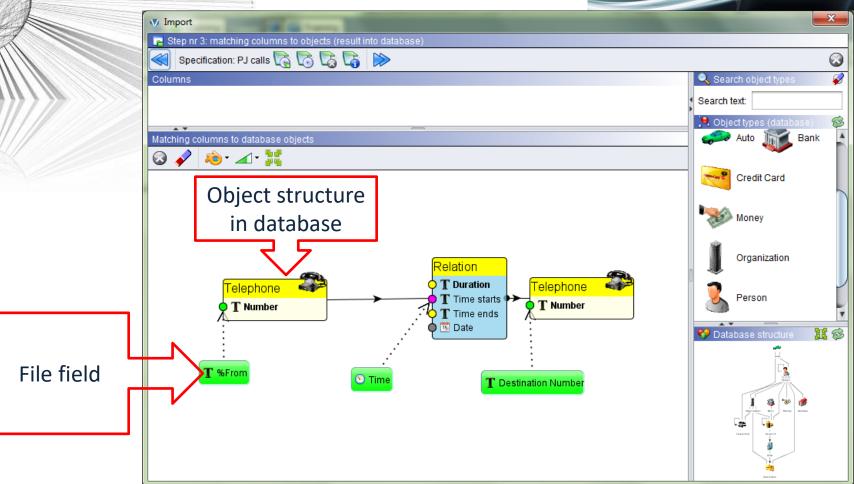
## Simple and visual data import

# Easy to add information

Object structure in database

File field
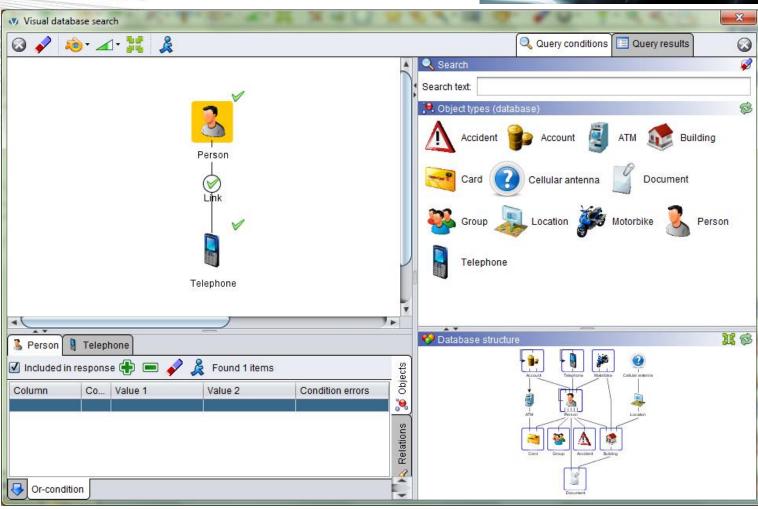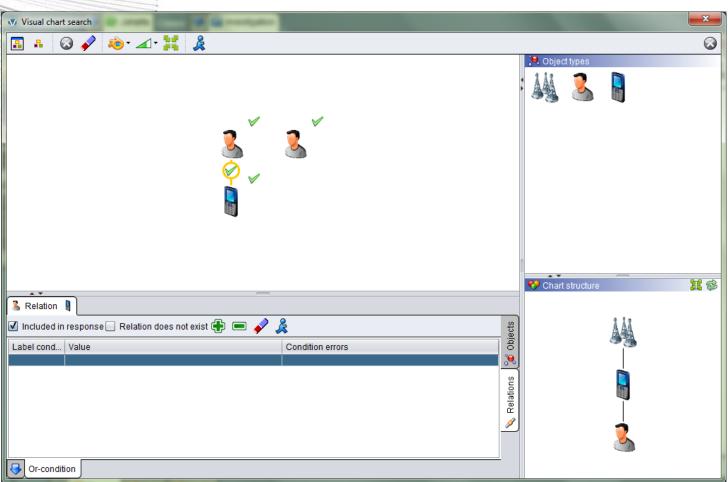
## Visual and logical data import into database

# Easy to find

**REAL SYSTEMS**

# Easy to find

REAL SYSTEMS
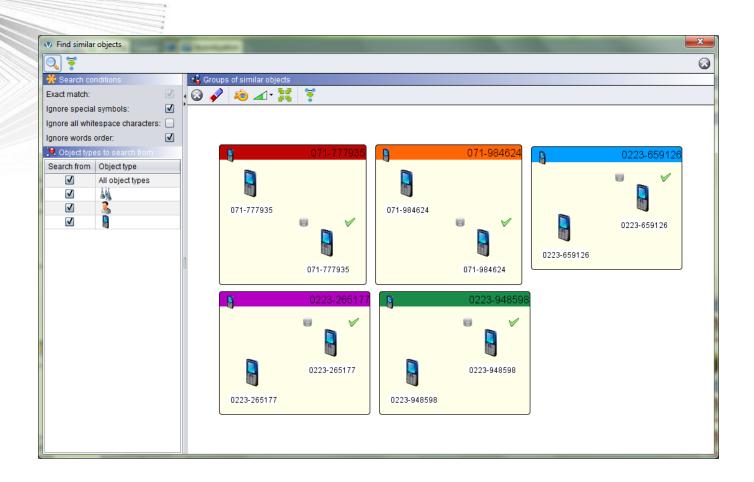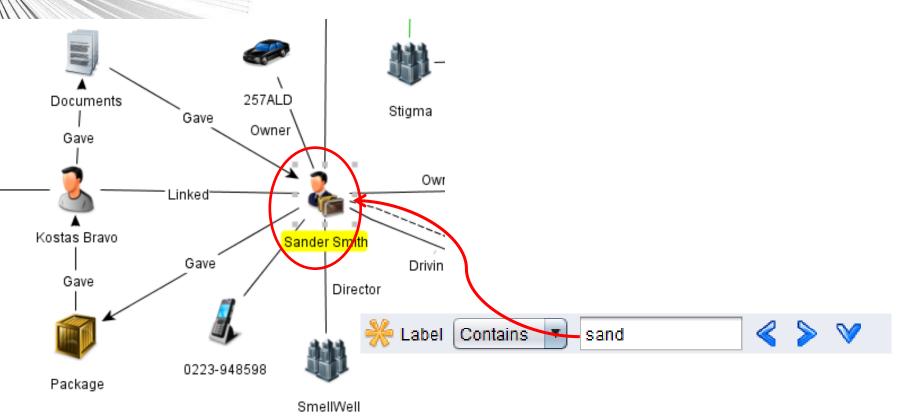
# Search of similar objects

# Find the object you already know…

Documents

Gave

Gave

Kostas Bravo

Gave

Gave

Package

257ALD

Owner

Linked

0223-948598

Stigma

Owr

Sander Smith

Drivin

Director

SmellWell

Label   Contains   sand

Simple and quick

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# Expand: add on chart only what you need

Start from

| | | |
|---|---|---|
| Expand 1 level | | ✳ |
| Expand more levels | ▶ | |

Expand 2 levels
Expand 3 levels
Expand 4 levels
Expand 5 levels

Paul Johns —Director— Berry birds —from— Goods —to— Small deal —Owner— John Smith —Friends— Ian Small

| 1st level | 2nd level | 3rd level | 4th level | 5th level |
|---|---|---|---|---|

**REAL SYSTEMS**

# Expand: add on chart only what you need

**Change expand settings**

Object types to search from during expanding

| Search from | Object type |
|:---:|:---|
| ☐ | All object types |
| ☐ | ⚠ Accident |
| ☐ | 🏃 Account |
| ☐ | 🏧 ATM |
| ☐ | 🏢 Building |
| ☐ | 💳 Card |
| ☐ | 🔵 Cellular antenna |
| ☐ | 📄 Document |
| ☐ | 👥 Group |
| ☐ | 🗺 Location |
| ✔ | 🏍 Motorbike |
| ☐ | 🧍 Person |
| ☐ | 📱 Telephone |

| Save changes and expand | Save changes | Cancel |

**REAL SYSTEMS**

# Layout is important

- Refresh layout
- Organic layout
- Tree layout
- Circular layout
- Hierarchical layout
- Orthogonal layout



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# Sometimes colours matter

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# All chart objects are listed

# Find clusters…

**Objects structure**

▼ Cluster 1
- [0.23] 061-420394
- [0.20] Scott Slim
- [0.00] 129876543
- [0.00] 213590076500
- [0.00] 49BSW
- [0.00] Bought TV
- [0.00] Stolen goods

▼ Cluster 2
- [0.11] Motobikers gang
- [0.07] 0954-371432
- [0.06] Arto Small
- [0.06] Ian Stroh
- [0.05] Clif Simpson
- [0.04] Dick Rich
- [0.03] 0223-811765
- [0.02] Sam Little
- [0.00] 13BNT
- [0.00] 35NMA
- [0.00] 38CBD
- [0.00] Andy Right
- [0.00] Kirill Ivanov
- [0.00] Paul Kond
- [0.00] Stive Antic

▶ Cluster 3
▶ Cluster 4
▶ Cluster 5
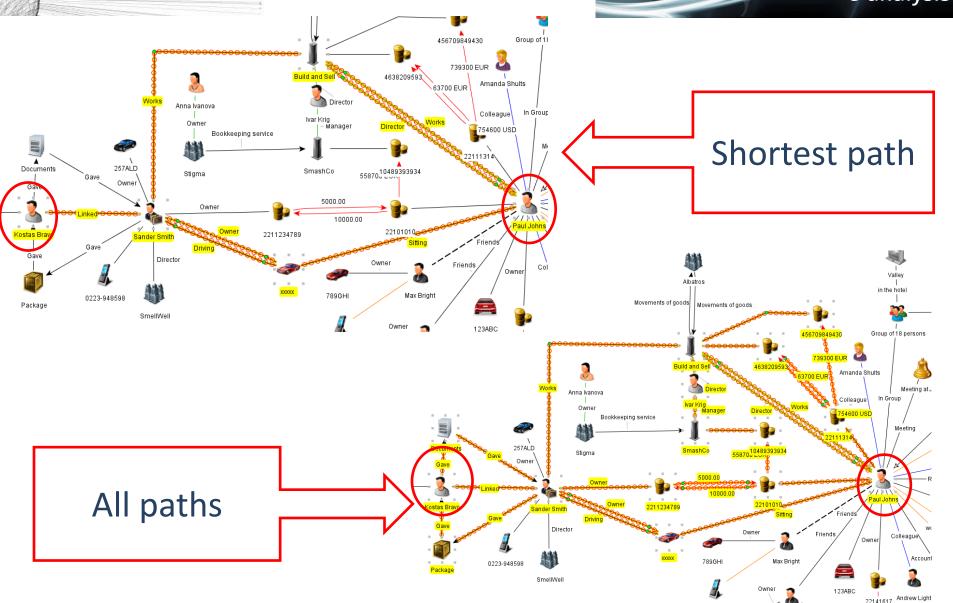
**REAL SYSTEMS**

# Most important objects

## Objects structure

- [1.00] 97142637570
- [0.76] 3345677911
- [0.72] 3212447374
- [0.40] 2333423222
- [0.39] 3212705275
- [0.34] 3332112041
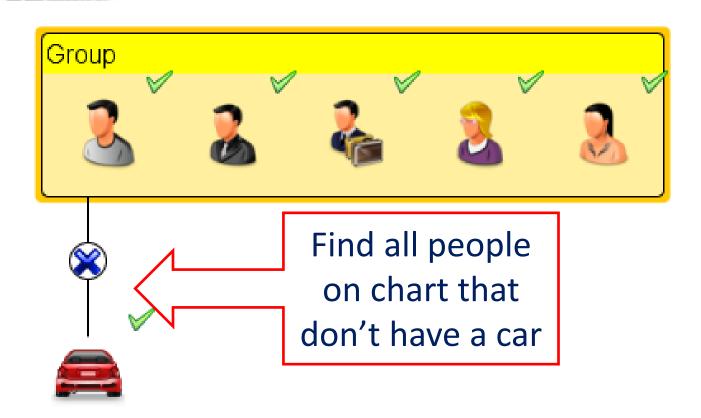- [0.32] 971504214041
- [0.26] 3002095405
- [0.21] 3002010419
- [0.20] 3003234367
- [0.20] 3003234911
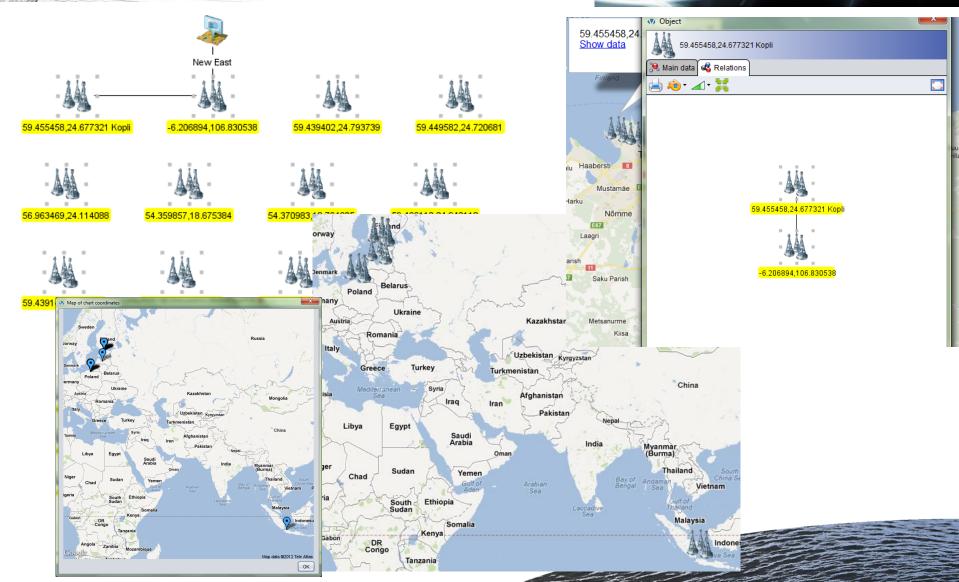- [0.17] 3003293993
- [0.17] 3343062335
- [0.15] 3003949345

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Shortest path

All paths

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e-security
e-analysis

# Find objects that are not connected
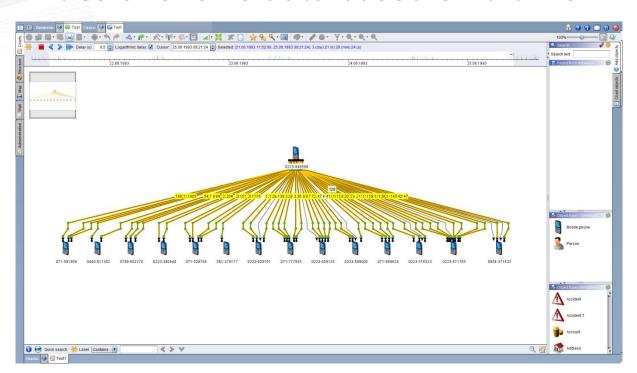
Find all people on chart that don't have a car

**REAL SYSTEMS**

# Concentrate on important things

Hottips

3345677911

Magnify

Overview window and chart view

# Or map objects…

# See how links appear in time...

VizKey provides a powerful Timelapse functionality that hides or shows data based on a time.



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# ..and turn back if things go wrong

In VizKey™    there is available **undo/redo** function:

- Unlimited (until chart is saved)
- Works only for chart functions

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# Something about VizKey™

- Users don't need specific IT knowledge

- User friendly interface

- Logical and easy to use functionality

- Dialog windows for similar functions (e.g. search on chart and search from database) look similar

- Basic concept: we make it visual and intuitive

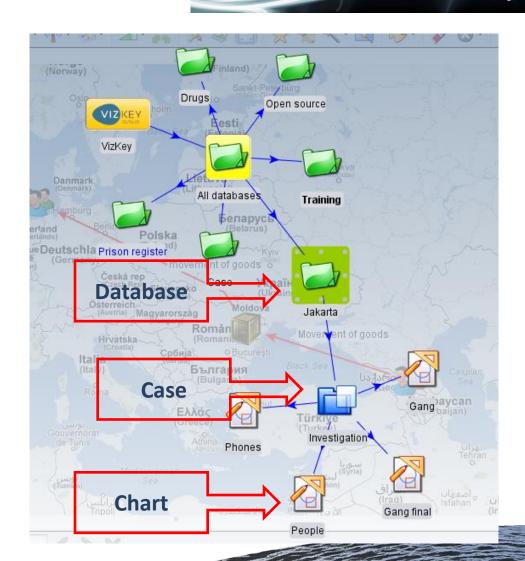**REAL SYSTEMS**

# Single or multi-users

- Runs on PC or Server

- Run on different database platforms

- Run on any operating systems

- Different user access levels

  - User(s) can create multiple VizKey databases

  - Every database contains Cases and Charts

  - Every VizKey database structure is user defined

e-governance
e-security
e-analysis

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# What is Case and Chart?

Case: incident/crime

Chart: document



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# Database structure is also graphical!
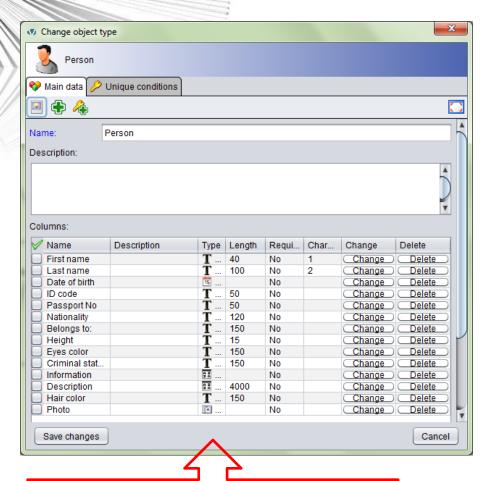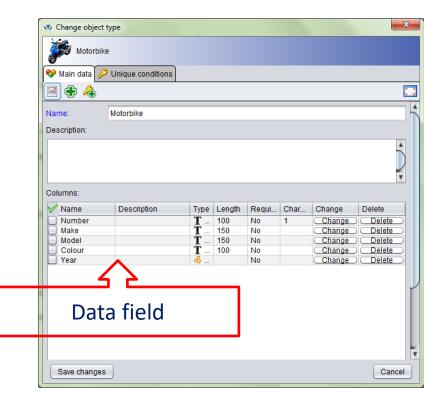
…or…

…like this

REAL SYSTEMS
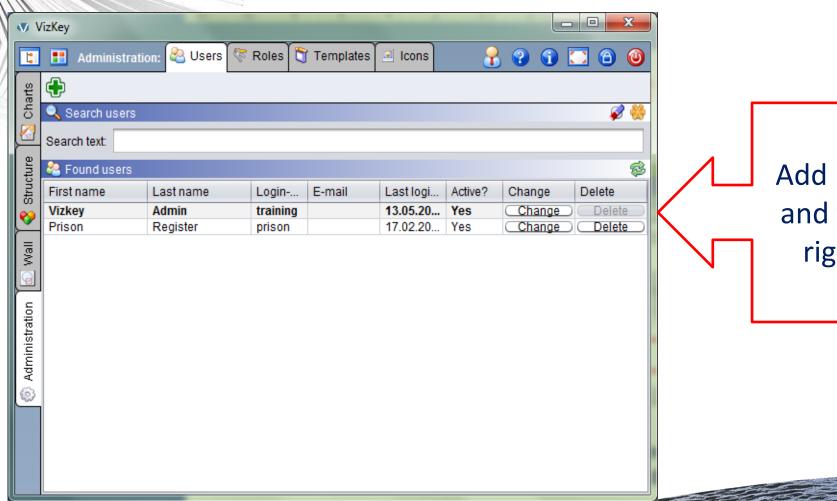
# Flexible: add needed type of information

Data field

Every object type has specific data fields

Add as many fields as needed

# Easy to administrate
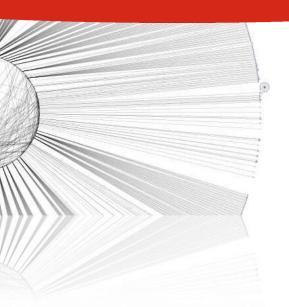
Add users and their rights

# Benefits

- All-in-one solution: no additional modules, **no additional expenses**

- **For many or one**: organizational, department or single-user solution

- **Easy installation**

- **Open source database** (MySQL) can be used to run VizKey

- Intuitive and easy to use interface: **no special IT knowledge is required**

- **Flexible solution**: user defined database structure and object/relation data fields

# Benefits

- **Export from** existing databases and **import to** VizKey database
- **Localizable**
- **Can be customized** in accordance to organization requirements
- **Free of charge** chart viewer – to share the work results with colleagues
- **First year support** is included (new versions: upgrades, updates and technical support from local company)

# Thank You!

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