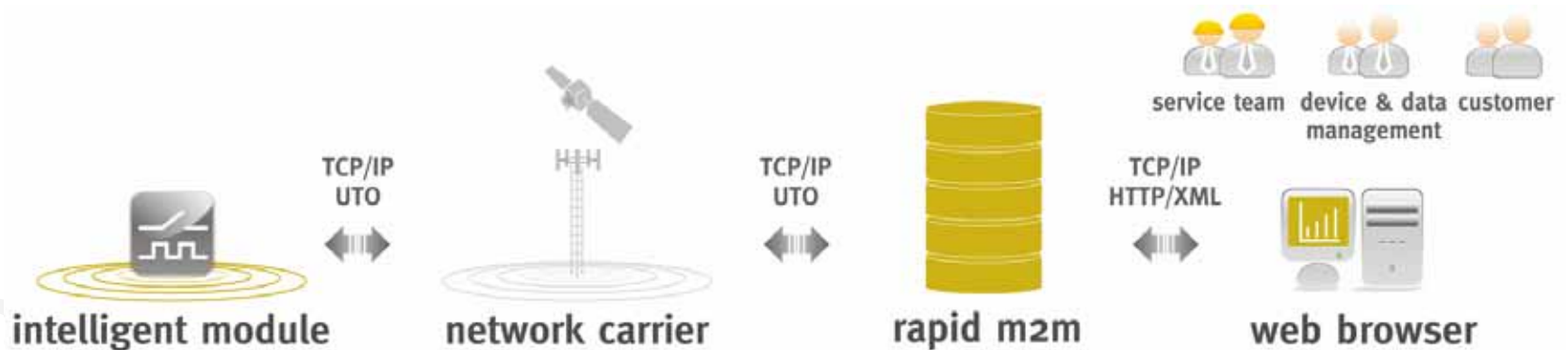


rapid **m2m**

rapid machine to machine communication

rapid machine to machine communication

The Reliable and Rapidly Available Solution!



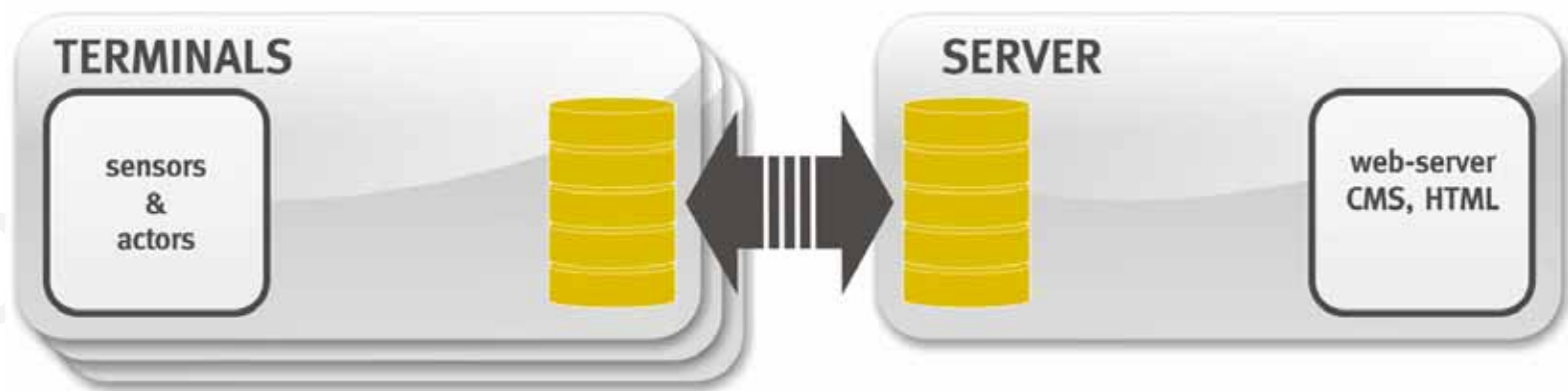
Secure data exchange without useless ballast

rapidm2m spares you the detour via serial tunnels or self made protocols which are often interference prone.

rapidm2m relies directly on TCP/IP and ensures a minimum of data by optimal protocol efficiency.

Principle of Function of „Storage to Storage“

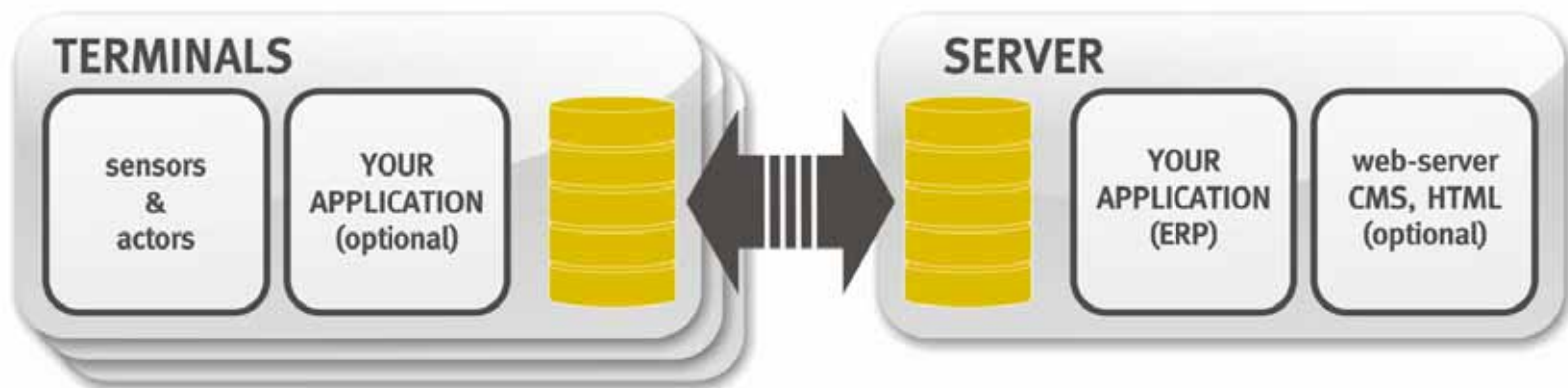
- Rapid access – first m2m application in less than 15 minutes
- Using rapidm2m you not only communicate from machine to machine, but also from storage to storage.
- According to configured rules the storage of the terminal device is fully automatically synchronized with the storage of the server.



system

Your Application

- **You concentrate on your application.** The handling of the data is done by established and easily comprehensible interfaces. rapidm2m integrates itself in your application as middleware.
- **Your application will be extremely simplified.** rapidm2m can be used for your application as shared, controlled synchronized data storage, which you have only to feed or where you scan data.



Functionality without additional expenses - Functions like e.g. time synchronization, controlled firmware download of terminals and connection control are available without additional effort.

Advantages

Reducing development costs

Minimizing development risk

Speeding up market launch

Maximizing functionality

Advantages

Reducing development costs

Less time for normal functions like secure data transfer. The usual problems with often interrupted connections and unreliable communication networks will no longer bother you. For low volume production also the ready ATEX-certified electronic is important.

Minimizing development risk

Speeding up market launch

Maximizing functionality

Advantages

Reducing development costs

Minimizing development risk

Do what you are good at. The rest will be done by rapidm2m for you. A trouble free market launch results in improved customer acceptance.

Speeding up market launch

Maximizing functionality

Advantages

Reducing development costs

Minimize development risk

Speeding up market launch

The time to market will be extremely reduced, as you can concentrate exclusively on your application. Using the proved rapidm2m technology spares you years of working-experience with mobile communication networks.

Maximizing functionality

Advantages

Reducing development costs

Minimizing development risk

Speeding up market launch

Maximizing functionality

A great number of often needed features is available without additional effort:

- Locating based on GPS and GSM Cell-Id
- Firmware- and application update in terminals “over the air“
- System wide time synchronization incl. handling of time zones
- Fail-safe, intelligent data management
- Connection monitoring, data volume control
- Avoiding of GSM provider problems
- Administration of terminals and SIM cards
- Alert and user management

Terminals

- Easy to integrate in your application
- Ready OEM hardware
- Ingenious energy concept
- Certificates, ATEX
- Integrated application



Terminals

- **Easy to integrate in your application**

Your application uses a manageable set of commands for transmitting acquired information. The data is structured in tables containing lines and columns as usual. Via the serial interface (RS232, RS485, RS422, Logic-Level) these commands can be used like Hayes-commands („ATxxx“).

- **Ready OEM hardware**

- **Ingenious energy concept**

- **Certificates, ATEX**

- **Integrated application**

Terminals

- **Easy to integrate in your application**
- **Ready OEM hardware**
Trust proved Hardware:
 - **Module** » which will be embedded in your electronics
 - **Mobile device** » all-in-one device for completely wireless systems operating maintenance free for several years (ultra low power operation, battery, accumulator)
 - **all-in-one device stationary** » for terminals with permanent power supply
- **Ingenious energy concept**
- **Certificates, ATEX**
- **Integrated application**

Terminals

- **Easy to integrate in your application**
- **Ready OEM hardware**
- **Ingenious energy concept**
Especially for mobile and wireless applications the optimisation of the energy consumption is of major importance. rapidm2m offers proved solutions out off the shelf for every application.
- **Certificates, ATEX**
- **Integrated application**

Terminals

- **Easy to integrate in your application**
- **Ready OEM hardware**
- **Ingenious energy concept**
- **Certificates, ATEX**

The rapidm2m platforms do not only have the usual standard certificates but some of them are also approved to operation in explosion-prone zones.

- **Integrated application**

Terminals

- **Easy to integrate in your application**
- **Ready OEM hardware**
- **Ingenious energy concept**
- **Certificates, ATEX**
- **Integrated application**

In certain cases your application can run directly in the rapidm2m module. This saves you additional electronics and application processors.

Server

- Easy to integrate in your application
- Ready user-interfaces
- Highest performance

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<Result>
  <rapidm2mData id="FFFF014100014BE4" stamp="4.5.2009 10:16:00">
    <row1 title="Row1 analog" units="°C" />10.4</row1>
    <row2 title="Row2 digital" units="ON/OFF" />ON</row2>
    <row3 title="Row3 analog" units="m" />5.678e-3</row3>
  </rapidm2mData>
  <rapidm2mData id="FFFF014100014BE5" stamp="4.5.2009 10:16:30">
    <row1 title="Row1 analog" units="°C" />10.1</row1>
    <row2 title="Row2 digital" units="ON/OFF" />ON</row2>
    <row3 title="Row3 analog" units="m" />5.601e-3</row3>
  </rapidm2mData>
  <rapidm2mData id="FFFF014100014BE6" stamp="4.5.2009 10:17:00">
    <row1 title="Row1 analog" units="°C" />9.9</row1>
    <row2 title="Row2 digital" units="ON/OFF" />ON</row2>
    <row3 title="Row3 analog" units="m" />5.282e-3</row3>
  </rapidm2mData>
  <rapidm2mData id="FFFF014100014BE7" stamp="4.5.2009 10:17:30">
    <row1 title="Row1 analog" units="°C" />10.2</row1>
    <row2 title="Row2 digital" units="ON/OFF" />OFF</row2>
    <row3 title="Row3 analog" units="m" />4.781e-3</row3>
  </rapidm2mData>
  <rapidm2mData id="FFFF014100014BE8" stamp="4.5.2009 10:18:00">
    <row1 title="Row1 analog" units="°C" />10.2</row1>
    <row2 title="Row2 digital" units="ON/OFF" />OFF</row2>
    <row3 title="Row3 analog" units="m" />4.244e-3</row3>
  </rapidm2mData>
  <rapidm2mData id="FFFF014100014BE9" stamp="4.5.2009 10:18:30">
```



Server

- **Easy to integrate in your application**

For bidirectional data transfer your application uses standard interfaces:

- HTML / HTTP / WAP
- File transfer as TSV, CSV, PNG
- XML, ODBC

- **Ready user-interfaces**

- **Highest performance**

Server

- **Easy to integrate in your application**

- **Ready user-interfaces**

For rapid implementation ready, CMS-controlled user-interfaces based on HTML (HTTP, WAP) are available. These are perfectly integrated in rapidm2m and adjust themselves automatically to the data structure. No troublesome programming of interfaces only to add a few data fields. The configuration of data fields and their performance on the interface is done in one central step.

- **Highest performance**

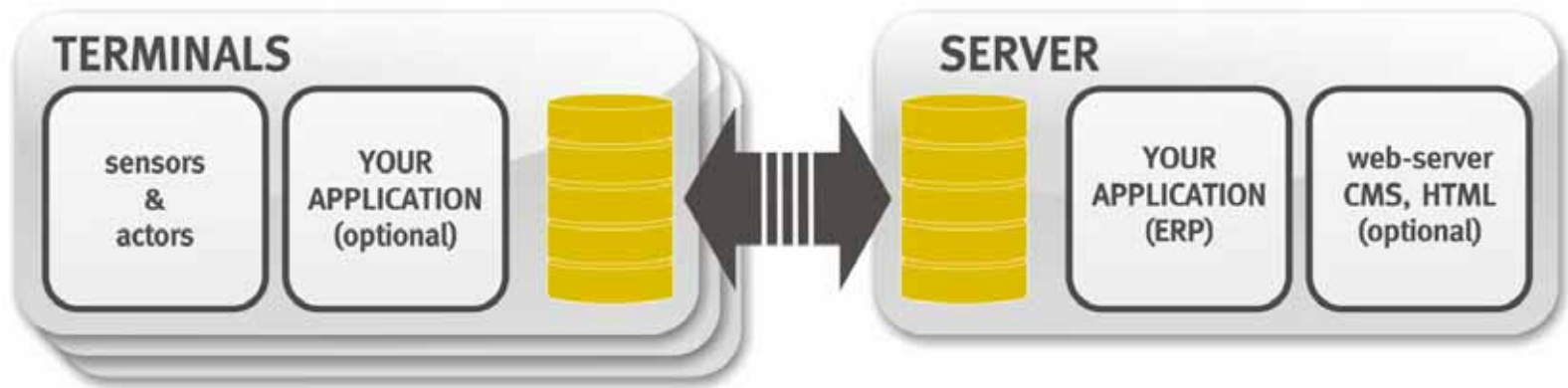
Server

- **Easy to integrate in your application**
- **Ready user-interfaces**
- **Highest performance**

rapidm2m is specialised in stocking and providing vast amounts of data on demand. Measurement data curves are e.g. directly edited in the core of the database. In comparison to classic SQL and PHP (or similar) based solutions, rapidm2m generally achieves an advantage in velocity by a factor of 100 (!). Even graphs for one year containing measurement data in minute-interval can be displayed in a trice.

rapid machine to machine communication

Ask For Your Starter Kit Now!



Available on Q4/2010!

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