Requirements for a Successful End-to-End Business Solution
A Software Delivery Platform...
Becomes Important in Many Vertical Markets...
in Order to Create Additional Revenue!
Horizontal Requirements for End-to-End Solutions

• Common Platform for all involved Parties
  – Device/Car Manufacturers, Service Providers, Gateway Operators,...
• Application independent
  – There is no-one-size-fits-all killer application
  – Different providers want to differentiate on different applications
• Business Model independent
  – Need flexibility to evolve to viable business models
• Technology independent
  – Need to support many systems built using many different technologies
• Remotely managable
  – Lifecylce management
  – Minimal or zero consumer dependence
  – Provide control of service/access
• Lowering Risk and Development Costs
OSGi meets all these Requirements

• Common platform for all involved parties
  – OSGi-Alliance provides open specifications enabling each party to develop, deploy and manage applications (bundles)

• Application independence
  – „Killer“-Applications can be dynamically deployed
  – Any Application (a bundle, or set of bundles) can be deployed on a OSGi Service Platform

• Business Modell independent
  – OSGi does not define how applications should be offered
  – Remote management systems have to support various business models for selling value added services
  – Device manufacturer, service provider defines how a service will be offered (pay-per-use, pay-per-download, pay-per-time-period)
OSGi meets all these Requirements 2

• Technology independence
  – Almost no competition with other technologies
  – Most of the existing technologies can be integrated, such UPnP, Jini, etc.

• Remote management architecture
  – For user management
  – For lifecycle management
  – Other management operations (configuration, remote diagnostics,...)

• Lowering risk and development costs
  – OSGi members shared/sharing the risk and development costs for the development of the OSGi Service Platform and additional services
3GT Provides an End-to-End Architecture Using OSGi Technology

- Involves all actors in the telematics service delivery chain
- Explores concepts enhancing OSGi
- Develops specifications covering 2 new interfaces (I1 and I2)
- Will generate rich validation data as it will carry out interoperability tests involving 5 sites
- Will feed its results back to OSGi

- ACUNIA
- AIT – FIA
- ALPINE
- ARUN
- BLAUPUNKT
- BMW
- BOMBARDIER
- CMG
- DAIMLERCHRYSLER
- DELPHI
- DDG
- EC
- ERICSSON
- ERTICO
- FIAT (CRF)
- FRANCE TELECOM
- GATESPACE
- GM/OPEL
- IBM
- ISMB
- INTELLIGENT HIGHWAY
- JST EUROPE
- LOCATIONET
- MOBILE GIS
- MOTOROLA
- NAVTECH
- NORWEGIAN TRANSPORT
- NOKIA
- ORACLE
- ORANGE
- OSGi
- PANASONIC
- PHILIPS
- PIONEER
- POLITECHNICO DI TORINO
- ProSyst
- PSA
- PTV
- RENAULT
- Robert Bosch
- SAAB
- SECARTIS
- SECURED BY DESIGN
- SIEMENS VDO
- SONERA
- SUN MICROSYSTEMS
- TEGARON
- TELEATLAS
- TRIALOG
- TNO
- VODAFONE
- VOLVO
- WEBRASKA
- WELSH ASSEMBLY
- WIRELESS CAR

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Other Projects/Initiatives dealing with OSGi based End-to-End Solutions

- GST (ERTICO)
- CARTEC (COGENIA Partners)
- AMI-C
- TOP-IQ (Groeneveld)
- inHaus Duisburg (Fraunhofer)
- Hogar.es (Telefonica)
- .....
mPower Remote Manager - Target Customers

- **Gateway operators** of OSGi-enabled and non-OSGi device networks, such as dedicated residential gateways, telematics on-board computers, mobile devices, etc.

- **Service Providers**, approaching service users via the mPRM System

- mPRM is the medium used by Service Providers and Gateway Operators to reach **End Users** – the gateway owners, consuming service
mPRM enables Gateway Operators to:

- Install new software components on OSGi-Service Platforms, including software produced by third parties
- Start, stop, update and remove services in the OSGi Service Platform
- Configure gateways, services and connected devices
- Define and control access rights between the Service-Platform, services and users
- Resolve dependencies and conflicts between different services
- Fault handling the gateway and possibly also of connected devices
- Aggregates services provided by different Service Providers into one distinct service, resolving dependencies and conflicts between different services
mPRM enables Service Providers to:

- Assemble service software from reusable components (bundles)
- Manage user subscriptions
- Deliver services to subscribed users
- Obtain service usage and billing information
mPRM enables End-Users to:

► Have his gateway automatically registered in the network
► Review and subscribe for new or additional services in an easy way
► Receive upgrades and updates
► Receive regular (remote) maintenance
mPRM can be infor an End-to-End Solution
Contact ProSyst!

Thank you! For further information please contact us!

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