

# Release Presentation

## ASAM CAT ODS

BS Version 5.3.0

Release Date: 2012 / 12 / 31

# Deliverables

## Overview

- ▶ Specification incl. API description
- ▶ Appendix including related documents
- ▶ IDL description of API interface
- ▶ Basic data model as step express file
- ▶ XML schema files
- ▶ Example ATF files
- ▶ Release Presentation

# Deliverables

## Specification

The following documents are technical references for ASAM ODS Version 5.3.0:

- ▶ ASAM\_CAT\_ODS\_BS-01-16\_Introduction\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-02-16\_Architecture\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-03-16\_Physical\_Storage\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-04-16\_Base\_Model\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-05-16\_ATF\_CLA\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-06-16\_ATF\_XML\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-07-16\_NA\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-08-16\_Mime\_Types\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-09-16\_RPC\_API\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-10-16\_OO\_API\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-11-16\_NVH\_Model\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-12-16\_Calibration\_Model\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-13-16\_Geometry\_Model\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-14-16\_Workflow\_Model\_V5-3-0.pdf
- ▶ ASAM\_CAT\_ODS\_BS-15-16\_Bus\_Data\_Model\_V5-3-0.pdf (NEW)

# Deliverables

## White Paper

### Annex A1

- ▶ [ASAM\\_CAT\\_ODS\\_BS-16-16\\_Appendices\\_V5-3-0.pdf \(New\)](#)

This document will contain special notes related to the ODS specification.

The first note comes with ODS 5.3.0:

### **Zipped Bundles of ATF/XML Files**

# Deliverables

## Additional Files

### Basic Data Model as step-express file

- ▶ `asam31.exp`

### XML Schema

- ▶ `ASAM_HDTypes.xsd`
- ▶ `Schema.xsd`
- ▶ `HelperSchema.xsd`

### Description of RPC API

- ▶ `aods.x`

### Description of CORBA API

- ▶ `ods530.idl`

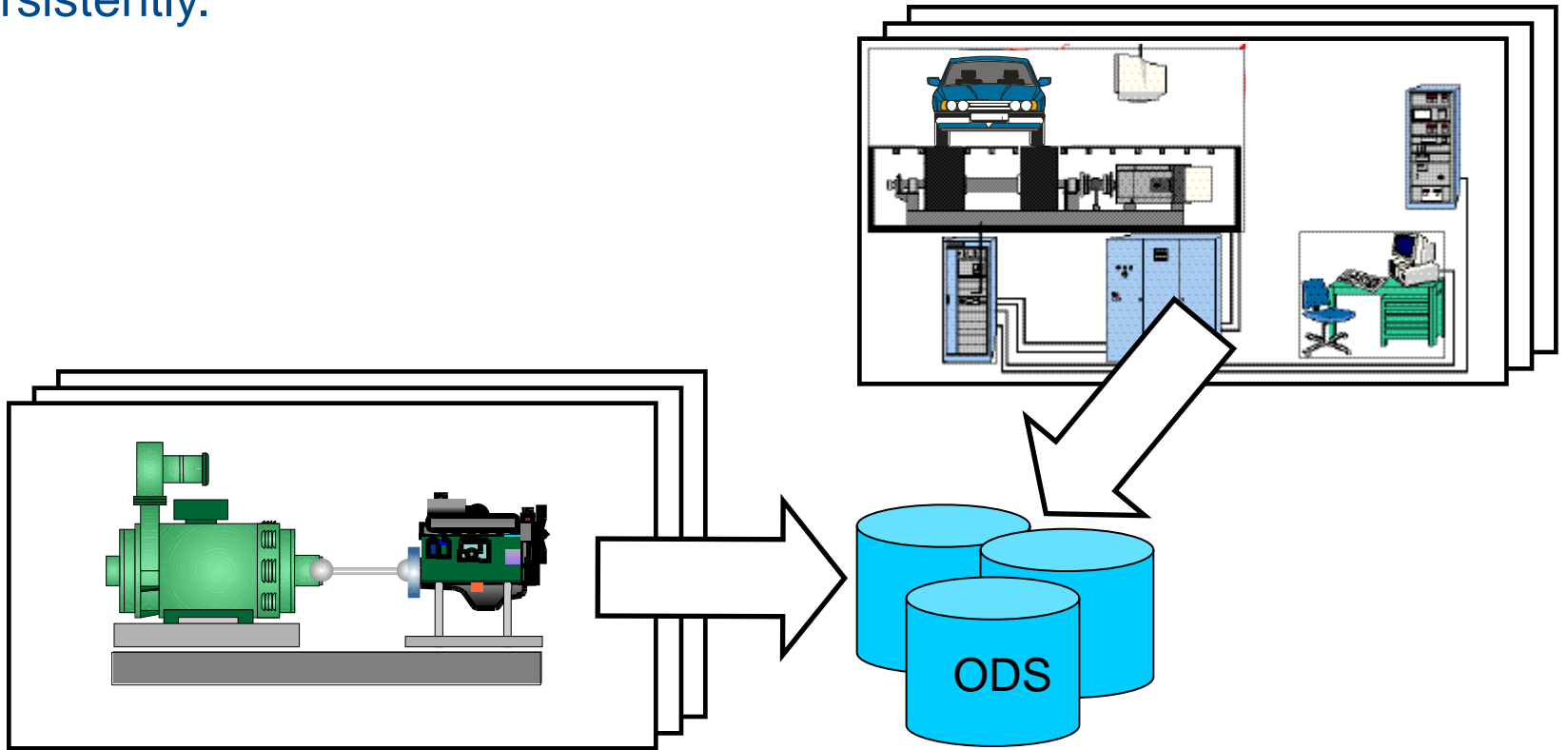
### Example ATF Files

- ▶ `Example_ATF_CLA.atf`
- ▶ `Example_ATF_XML.atfx`
- ▶ `Example_Geometry.atfx`
- ▶ `Example_Bus.atfx`
- ▶ `Example_Bus_with_index.atfx`

# Introduction

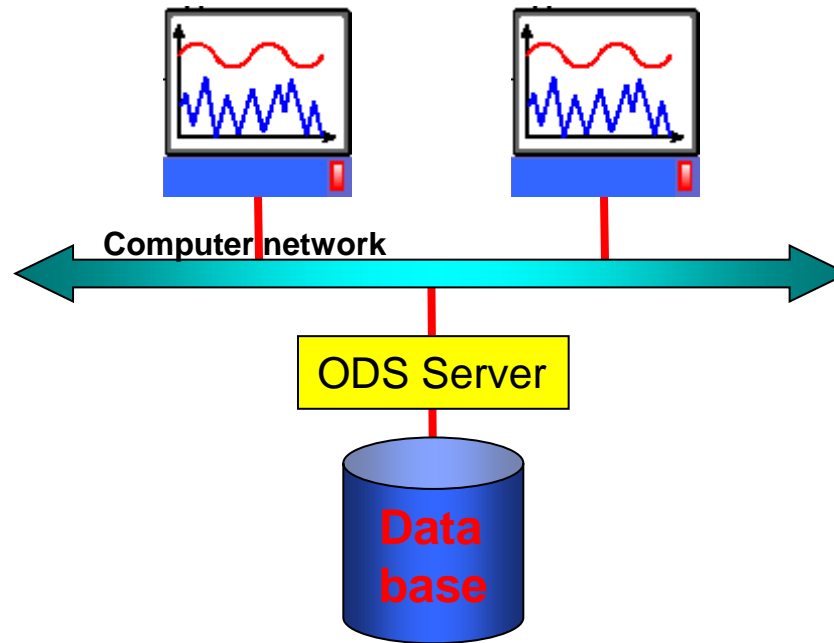
## ASAM ODS 5.3.0

- ▶ ASAM ODS is intended to define a standard for archiving test result data persistently.



# ASAM ODS 5.3.0

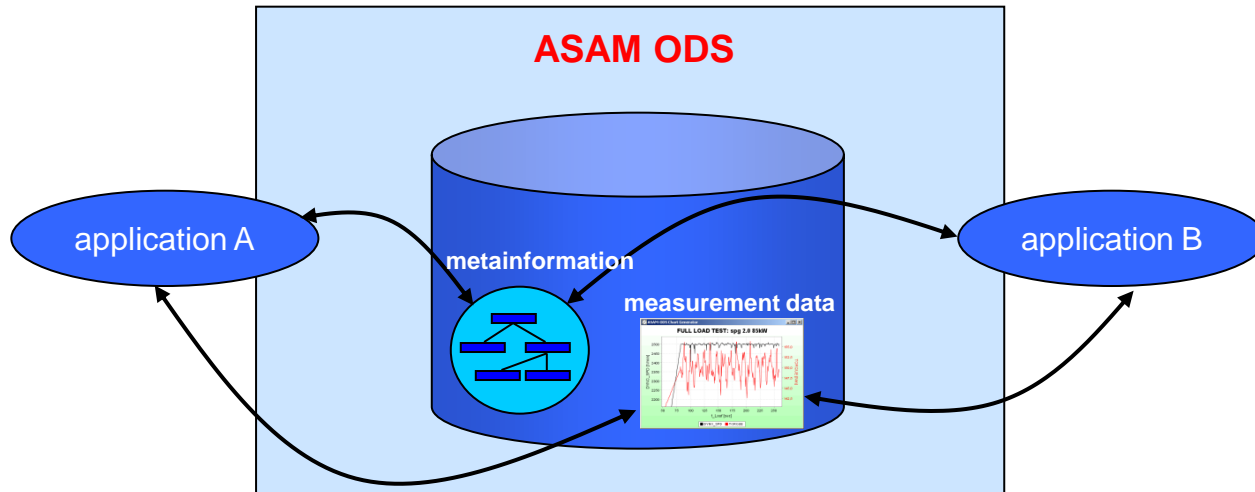
- ▶ ASAM ODS defines an Application Programming Interface for a server. The server is a front end to a traditional database.
- ▶ The server is accessible via a TCP/IP computer network.



# ASAM ODS 5.3.0

ASAM ODS defines

- ▶ a Basic Data Model which can be mapped to customer specific applications (engine test, brake test, engine calibration, ... etc.)
- ▶ a Meta Data Model enabling a client application to navigate through domain specific or application specific data structures

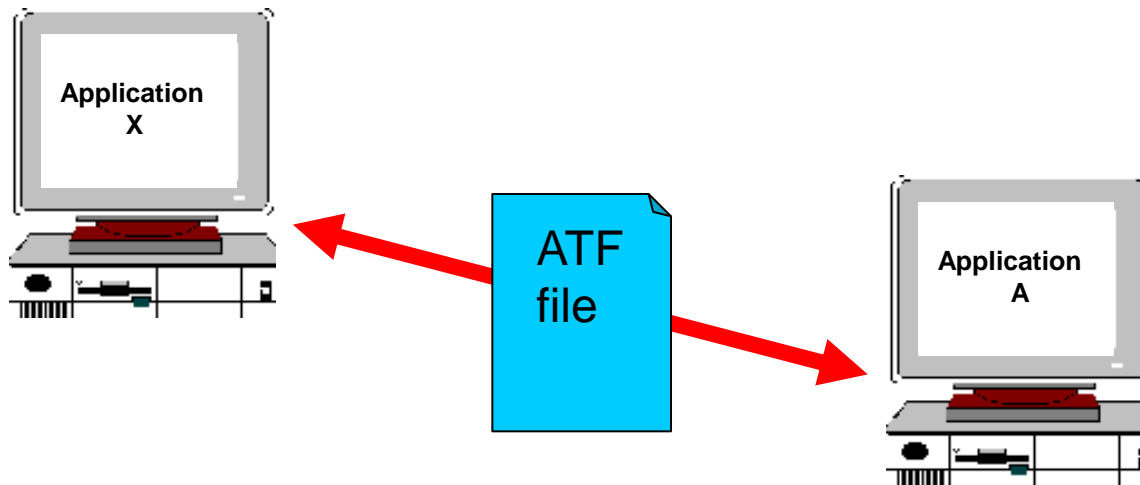




# ASAM ODS 5.3.0

ASAM ODS defines

- ▶ a file format for the exchange of test result data



# ASAM ODS 5.3.0

## ASAM ODS

- ▶ defines data models for dedicated applications like
  - NVH data
  - Test stand calibration data
  - VSIM (crash test data model, provided by ISO)
  - Workflows
  - Geometry data
  - Bus data (New)
- ▶ supports gateways to foreign data formats

# Marketing

The following features will improve the ASAM marketing

- ▶ UTF-8 support  
Multibyte characters will be handled to support ASAM ODS applications in countries, which use multibyte characters, e.g. Japan.
- ▶ Managed Files  
The ODS Server now has an interface to reference and stream files to and from the server via the CORBA API in order to access files without any additional file security rules.

# What's New?

## ASAM ODS 5.3.0

- ▶ UTF-8 support  
It now uses UTF8 characters and can therefore handle multibyte characters. ASAM ODS applications are now able to handle Japanese strings, for example.
- ▶ Additional base attributes (e.g. dates for last access, modification, creation; author; size and storage type for AoMeasurement (like mixed mode, in data base, foreign format, ...))
- ▶ Unit support for application attributes in ATFX
- ▶ Security: disable for ODS users, user groups (example: login prohibited)
- ▶ 24bit data in external components
- ▶ Search functions over values of measuring data

# What's New?

## ASAM ODS 5.3.0

- ▶ Managed files: security and access of referenced external components (MDF files, video streams, other mass data, ... etc.)
- ▶ A companion standard to describe BusLog data via ASAM ODS  
This companion standard has been developed in close collaboration with the ASAM MDF4.1 FVD Group
- ▶ An appendices document has been created. A first note has been inserted: **Handling of ATFX XML Binary Data Bundles (Zipped Binary Data Files)**

# Compatibility

## ASAM ODS 5.3.0

- ▶ ASAM ODS 5.3.0 is fully compatible with the previous ODS 5.2.0 standard
- ▶ ASAM MDF4.1 files can be referenced as external component
- ▶ The BusLog data model is compatible to the BusLog companion standard of the MDF group.