

---

## **LIBREOFFICE POWERED BY CIB**

**CIB SOFTWARE GMBH**  
**NOVEMBER 17TH, 2016**

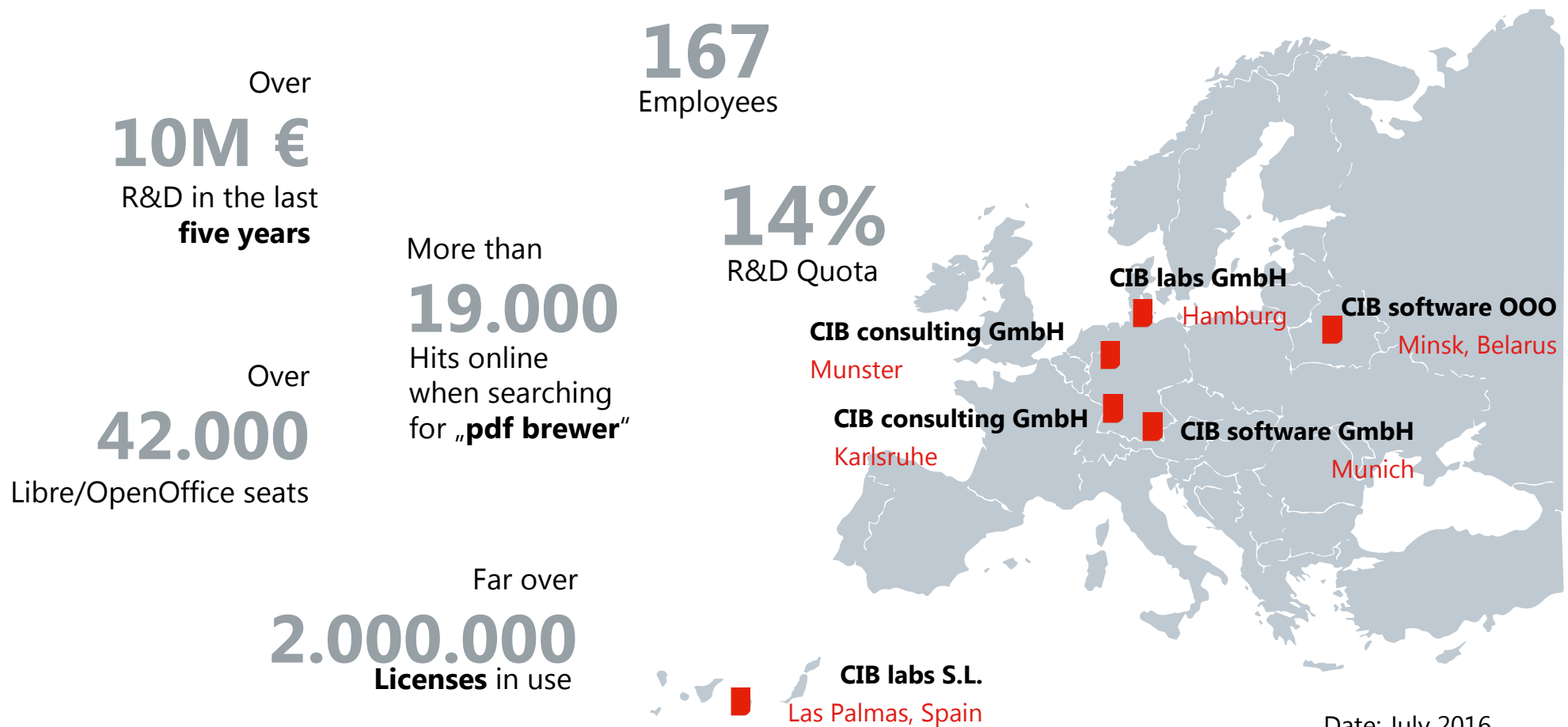
**ODF** | **Plugfest**  
TWELFTH EDITION November 16-17 2016, PARIS



# WHO IS CIB?



Computer Integrated Business (CIB) stands for Document Lifecycle Management.



# CIB: SOLUTIONS FOR YOUR CHALLENGES



Our strength – developing document lifecycle and correspondence management solutions that integrate with ***your*** computing landscape.

Our building blocks:

- > **Generating and processing PDFs**
- > **Operate LibreOffice professionally**
- > **Generate and process invoices the smart way**
- > **Exchange data safely and securely**



Mobile



Security



Cloud



Open Source



Big Data

# OUR LIBREOFFICE TEAM



- > **Core-Developers**
    - David Ostrovsky, Jürgen Funk, Katarina Behrens, Thorsten Behrens, Vasily Melenchuk, José Carlos Ruiz Luque, Oliver Specht, Armin Le Grand, Samuel Mehrbrodt
  
  - > **Macro- and Extension Experts**
    - Katja Sutter, Volker Thiel, Richard Seyfried, Christian Köhler, Frank Seboldt, Georg Hatzelmann, Sigrid Zachary
  
  - > **Supporting the Community**
    - Active development, contributions to core and extension code
    - Sponsoring and Member of The Document Foundation
    - Member of the OASIS ODF Technical Committee
-

# LIBREOFFICE™ POWERED BY CIB



## > Products

- Enterprise edition build
- Regression testing
- LTS (Long Term Support)
- Security Updates
- Extended support
- Tier-III support packages

## > Pricing

- By seat and year (bulk pricing)
  - Min. 3 years support
-

# LIBREOFFICE™ CIB™ SUPPORT



- > Tier-I and Tier-II Support
    - German/English/Spain language telephone hotline
    - Web portal „JIRA“
  
  - > Tier-III
    - Bugfixing
    - Support classes and response time by agreement
  
  - > Pricing
    - By class and response times
    - Prepaid blocks (number and hourly rate)
    - By time spent
-

# LIBREOFFICE™ CIB™ INDIVIDUAL



- > Product
    - Support of customer's own versions
    - Special features, formats, conversions, ...
    - Macro-programming, extensions
    - Integration with 3<sup>rd</sup> party solutions
  
  - > Pricing
    - Time and materials basis
    - Fixed Price
-

# LIBREOFFICE - REFERENCES

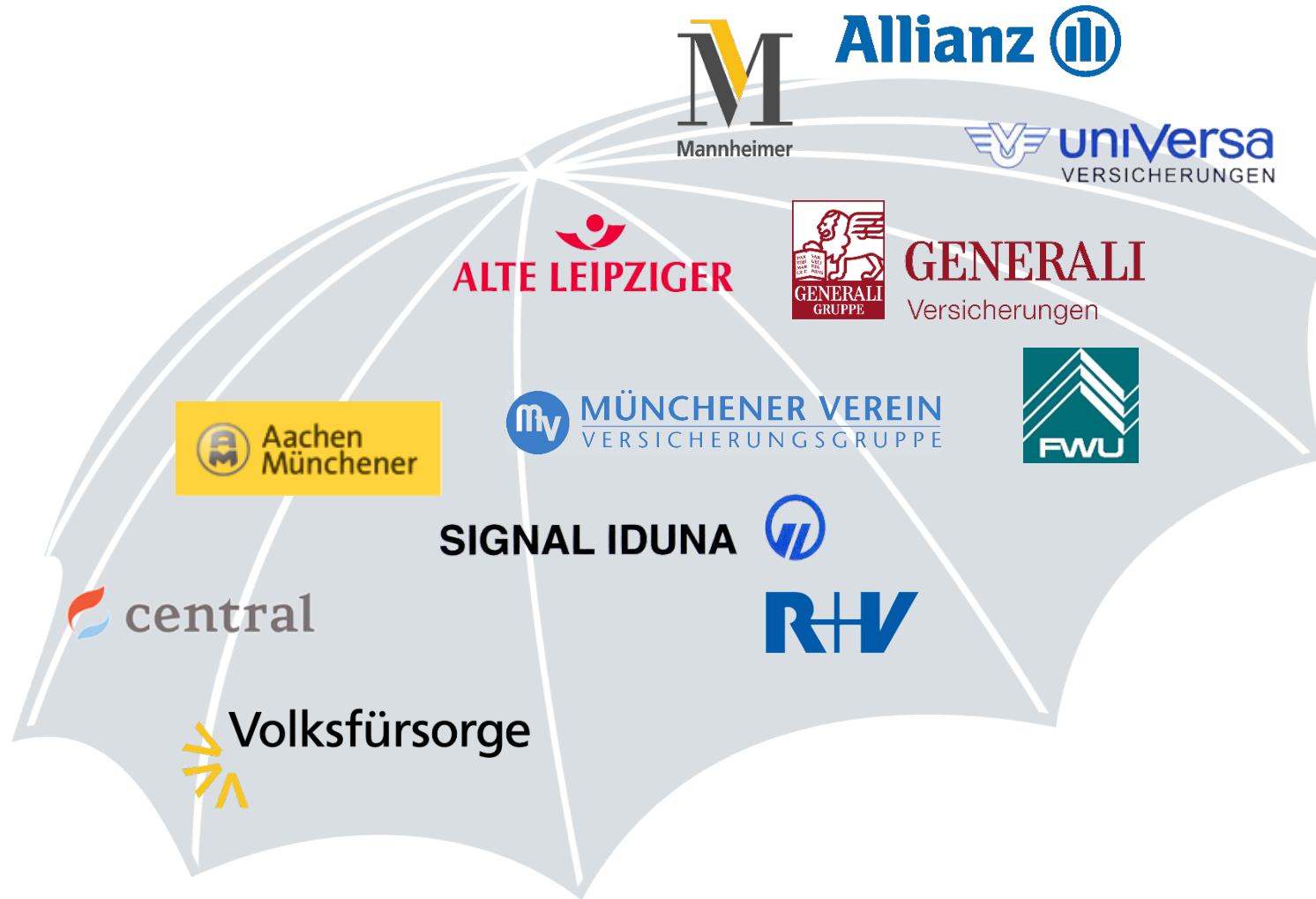




# LIBREOFFICE - REFERENCES



# DOCUMENT PROCESS – REFERENCES



# DOCUMENT PROCESS – REFERENCES



# Two Projects

with ODF impact

# ODF CHANGE TRACKING: PROTOTYPE



- feature/change-tracking
- High Level Abstraction from ODF XML -> avoids diffing noise
- Logical / Semantic User Changes -> best applicable to different models
- Atomic Change -> allows switching two changes without context

ODT Document	ODT Changes (4 for HEADING only in JSON)
<p><b>HEADING¶</b></p> <p>123456789·„Hello·Hyperlink“¶</p> <ol style="list-style-type: none"><li>1. item1¶</li><li>2. item2¶</li></ol>	<pre>{   "name": "addPara", "start": [1],   "attrs": {     "style": "Heading_20_1",     "paragraph": { "outlineLevel": 1 }   } }, {   "name": "addText", "start": [1, 1], "text": "HE",   "name": "addText", "start": [1, 3], "text": "A",   "name": "addText", "start": [1, 4], "text": "DING", }</pre>

# LibreOffice: Export validation

- make export validation the default for ~all formats
    - ODF
    - OOXML
    - MS binary
  - improve developer experience – fail fast
    - no extra steps during setup
    - better error reporting
    - instant feedback for format problems
    - true bisectability
  - improve ODF TC and libreoffice development cooperation
    - what's the set of ODF extensions?
    - easy TC upstreaming of format changes
    - provide most recent schemas to libreoffice developers
-