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PDF as a service

- From client to cloud computing in 20 years
- PDF as a driver for industry 4.0

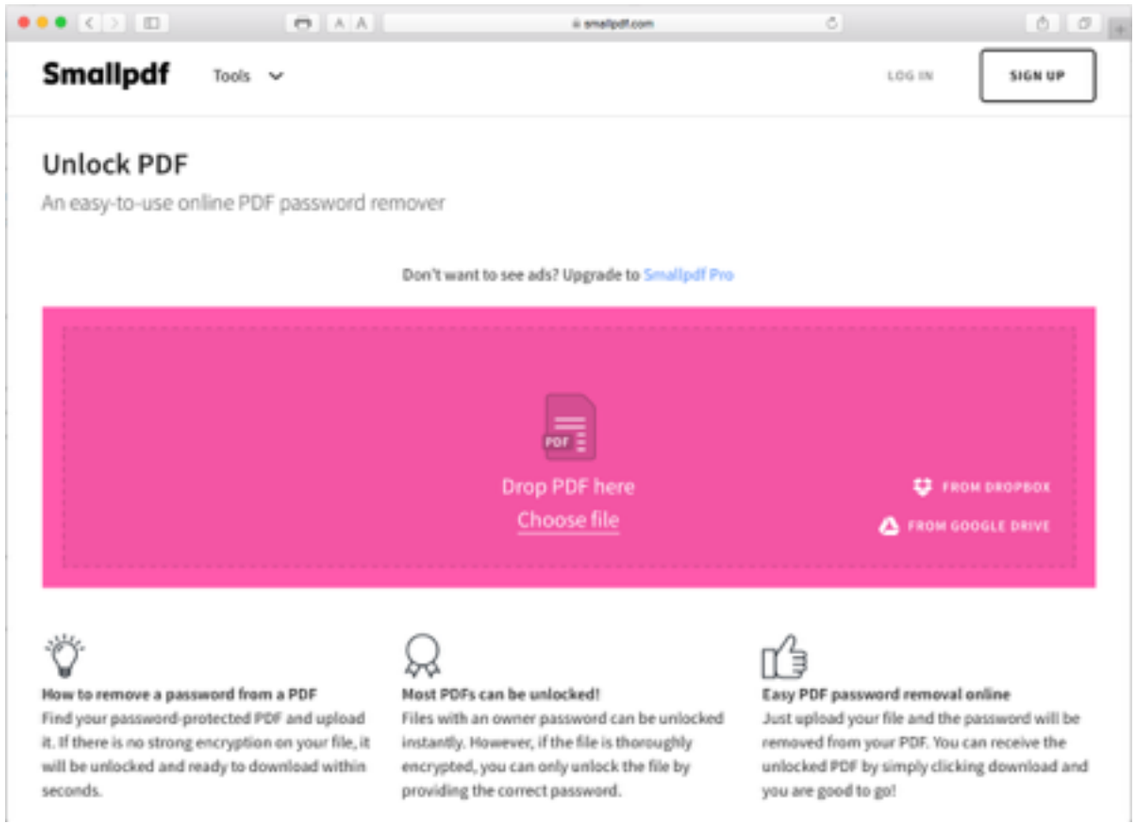
Michael Karbe, German Chair, PDF Association

ACTINO software GmbH

Michael Karbe
Geschäftsführer

Top 1 – best practise

- **decrypt a (you) protected document**



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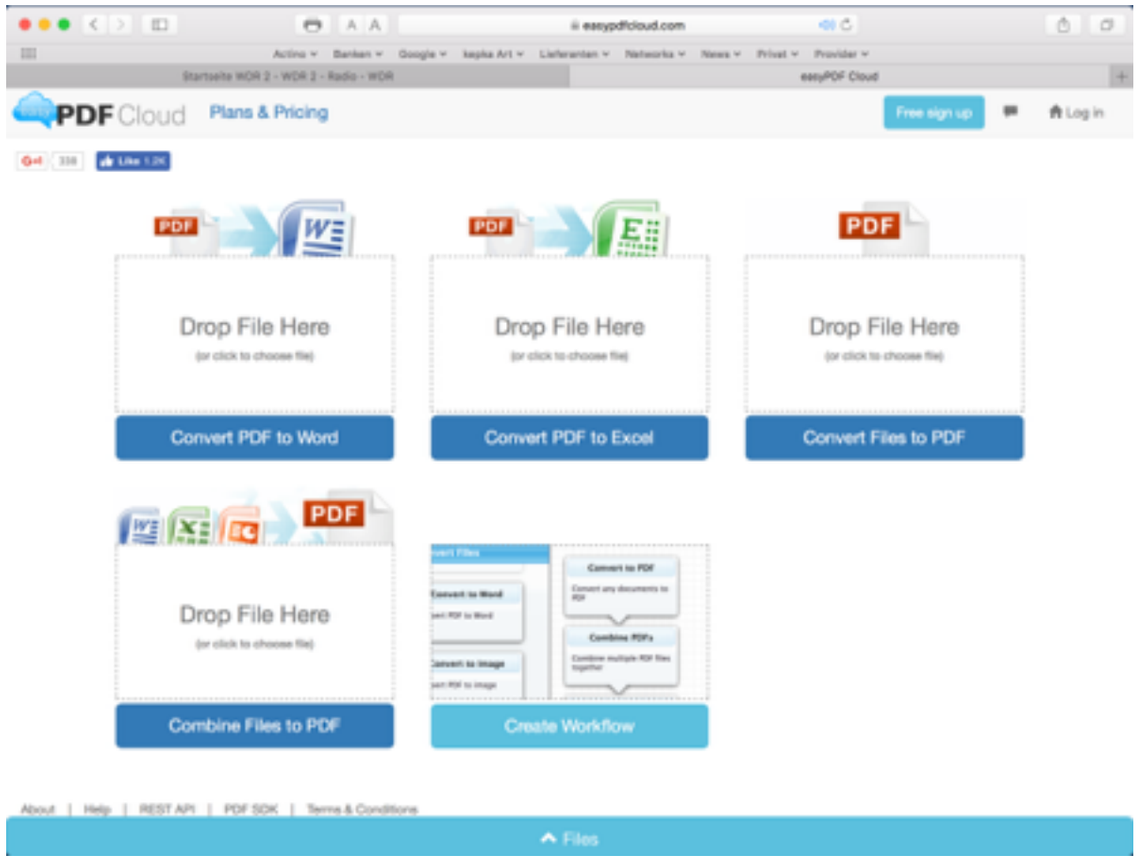
Top 2 – PDF as a service is „PDF 4.0“

- **Industry 4.0**
  - **Integration**
  - **Automation**
  - **Compliance**
- **Evolution**
  - **Client applications**
  - **Server applications**
  - **Cloud applications**



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Top 3 – Why PDF as a service

- Usually just one specific features is required to setup a solution
  - client applications provide (too) many features
- Costs
  - one license for server, cost by use
- Quality
  - all properties and templates under central control
- Workflow
  - more than a feature, process support
- Usability
  - simple GUI

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Top 4 – Why PDF as a service

- **Administration**
  - **simple deployment**
  - **platform independent**
  - **configured on server**
- **Workflow**
  - **transfer source documents for manipulation**
  - **template based on demand creation**
  - **jobtickets for process related data**

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Top 5 – for print industry

- Market requirement
  - appropriate quality for true color output
  - just in time production
  - more personalization
  - smaller print and higher order volumes
- Webservices
  - online validation and conversion
  - online proofing with web viewer
  - engines for template based creation and imposition
  - cost saving for printers

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Top 6 – for archiving

- Market requirement
  - adress ISO standards PDF/A
  - validation and standard compliant creation
  - deploy function inside organization
- Webservice
  - upload files for validation or preflight incoming files
  - available for all users in the Intranet
- veraPDF project

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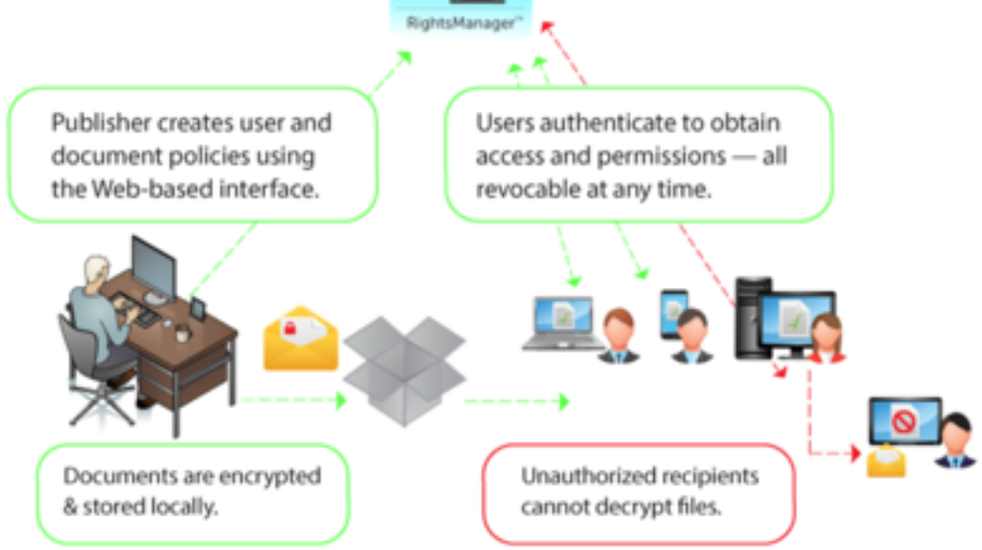
Top 7 – for controlled distribution

- Market requirement
  - secure distribution requires complex environment
  - database required to manage permissions, users and documents
  - rights server which communicate with client
- Webservices
  - Internet or Intranet provides environment
  - centralized database
  - standard HTTP or HTTPS for communication
  - logical relation with electronic filesharing systems



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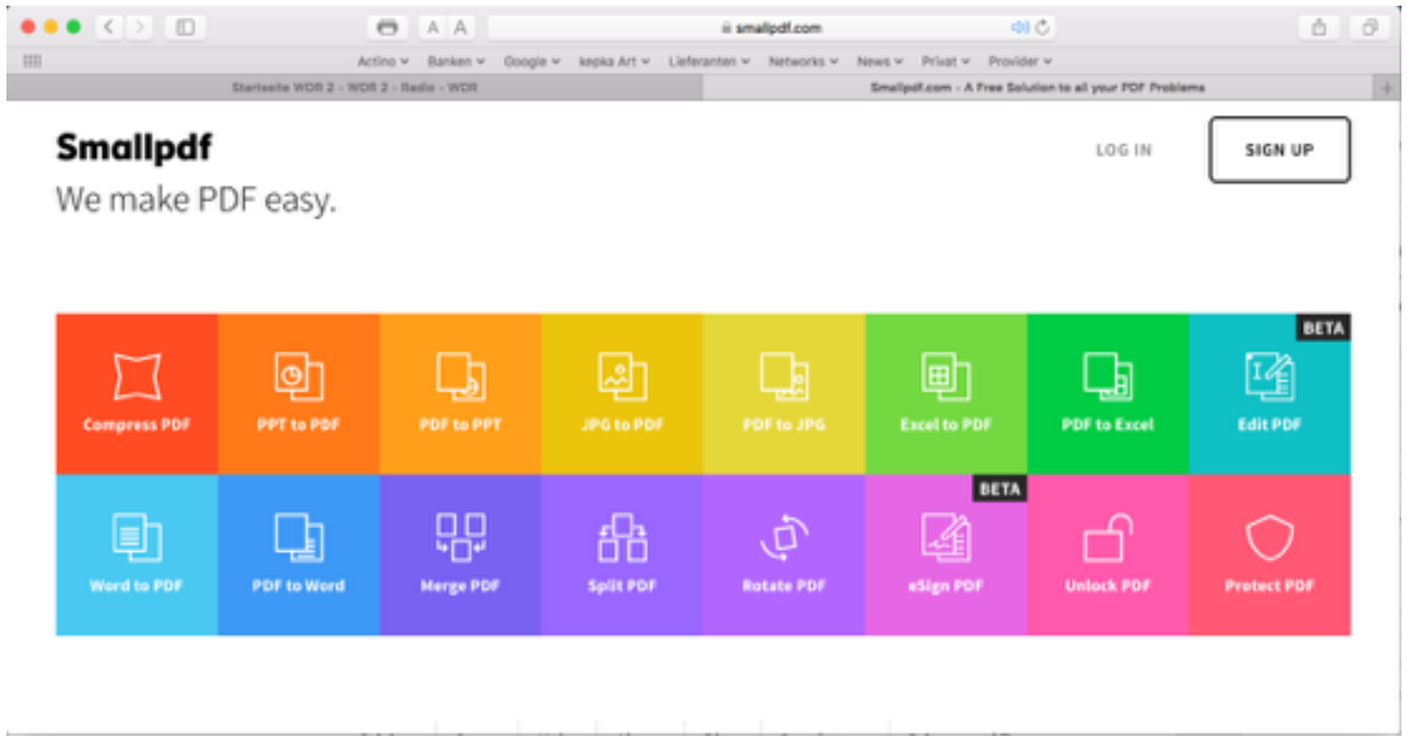
Top 8 – for collaboration

- free PDF creator and viewer
  - creation (Windows PDF printer, PDF export, etc.)
  - viewing, printing, annotating, forms filling
- Webservices
  - standard features
    - stamp, redact, convert, compare
    - assemble, merge, split



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Top 9 – for digital transformation

- Market requirement
  - automate process
  - document management
- Webservices
  - workflow features
    - reviewing
    - approval
    - daily mail, e-post

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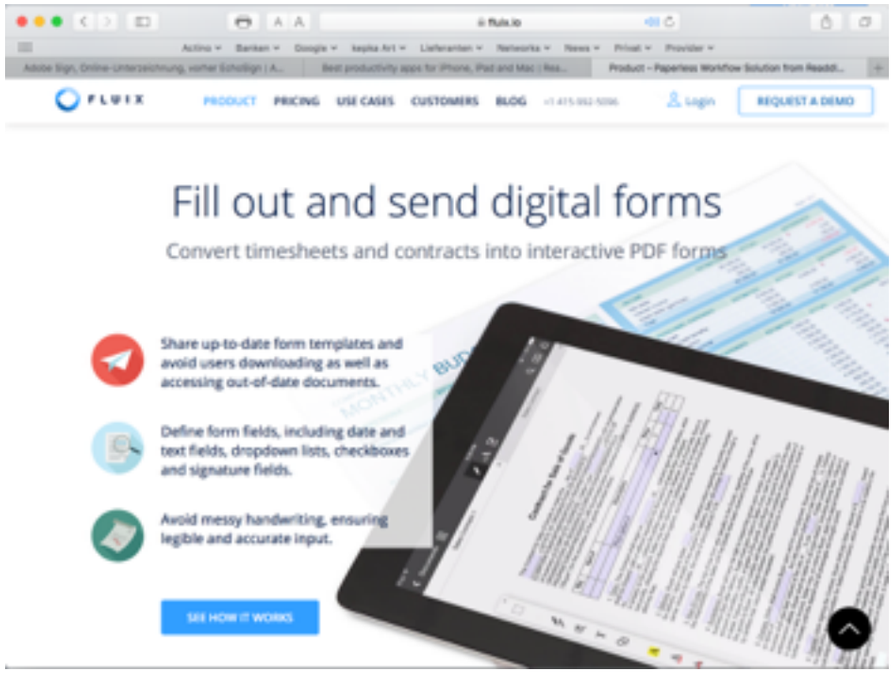
Top 10 – for forms processing

- Market requirement
  - automate process
  - document management
- Webservices
  - workflow features
    - build process
  - adaptive forms



Adaptive forms features simplify form filling for mobile users.

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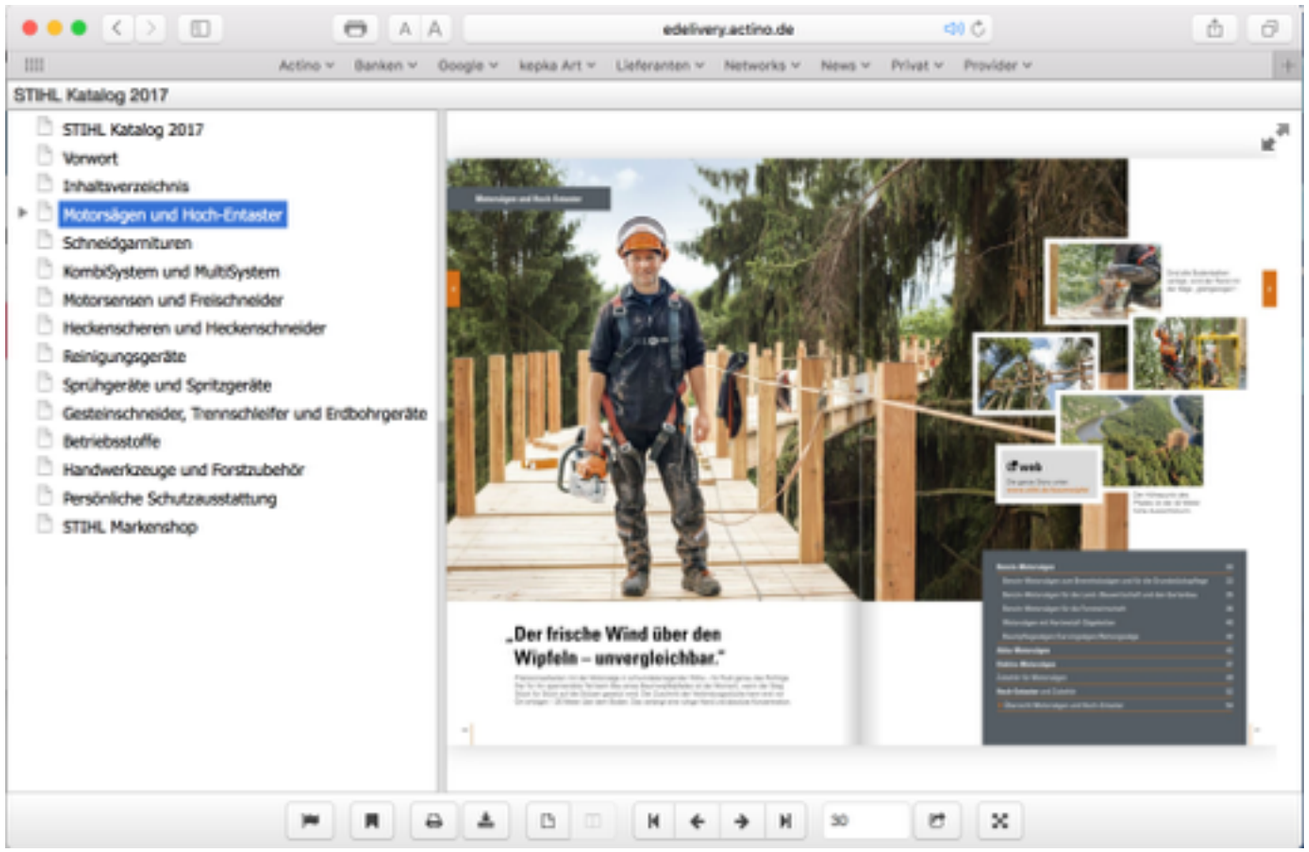
Top 11 – for publishing

- Market requirement
  - multi channel publishing
  - document management
- Webservices
  - conversion to HTML5
  - Webviewer



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- **http://www.pdfa.org or www.actino.de**
- **Social Media: XING, LinkedIN**

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