

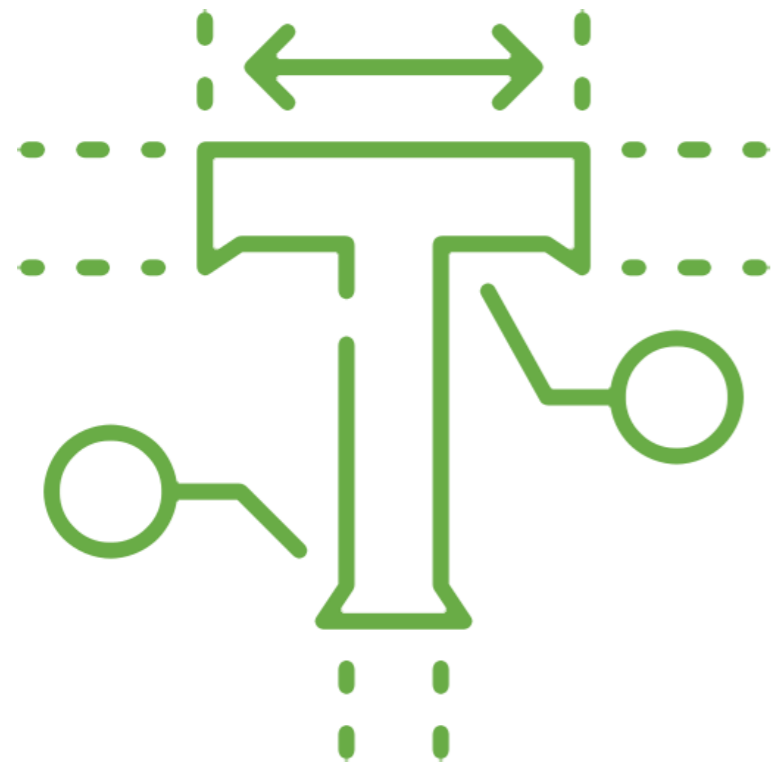


The Perfect Solution
For Intelligent Publishing!

metitec

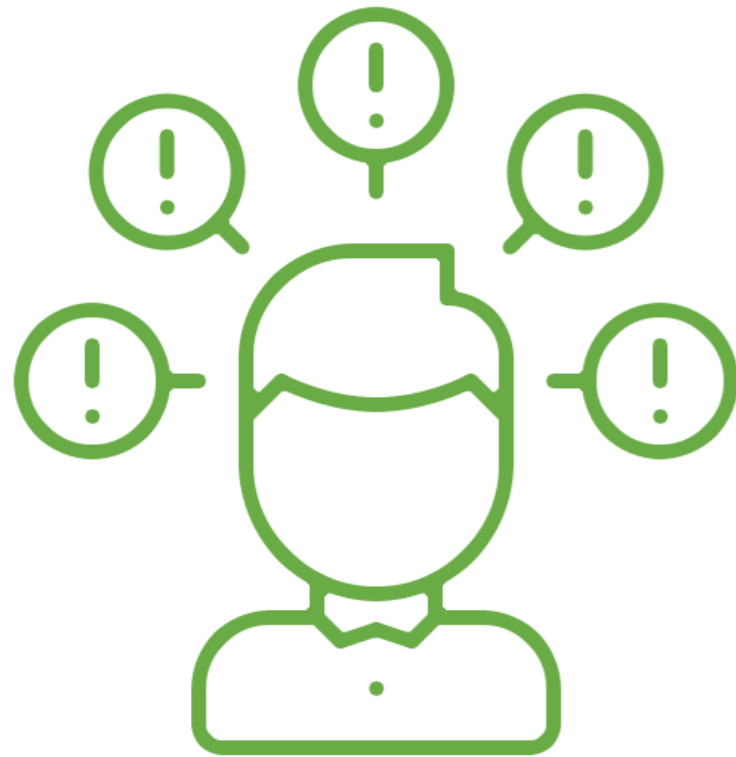
Typesetting 4.0

Typesetting 4.0 TM



- ✓ Gutenberg: lead typesetting (1450)
- ✓ Mergenthaler: mechanical typesetting; Linotype (1886)
- ✓ Desktop Publishing (1985)
- ✓ Knuth: automated digital typesetting-systems; TeX (1986)
- ✓ metiTec: completely automated typesetting

Problem



Today's demands for the media and publishing industry:

- XML-first workflow
- Workflow automation
- Parallel production of different formats for different devices
- Customized and personalized publications for various channels and devices
- Content management on the basis of XML

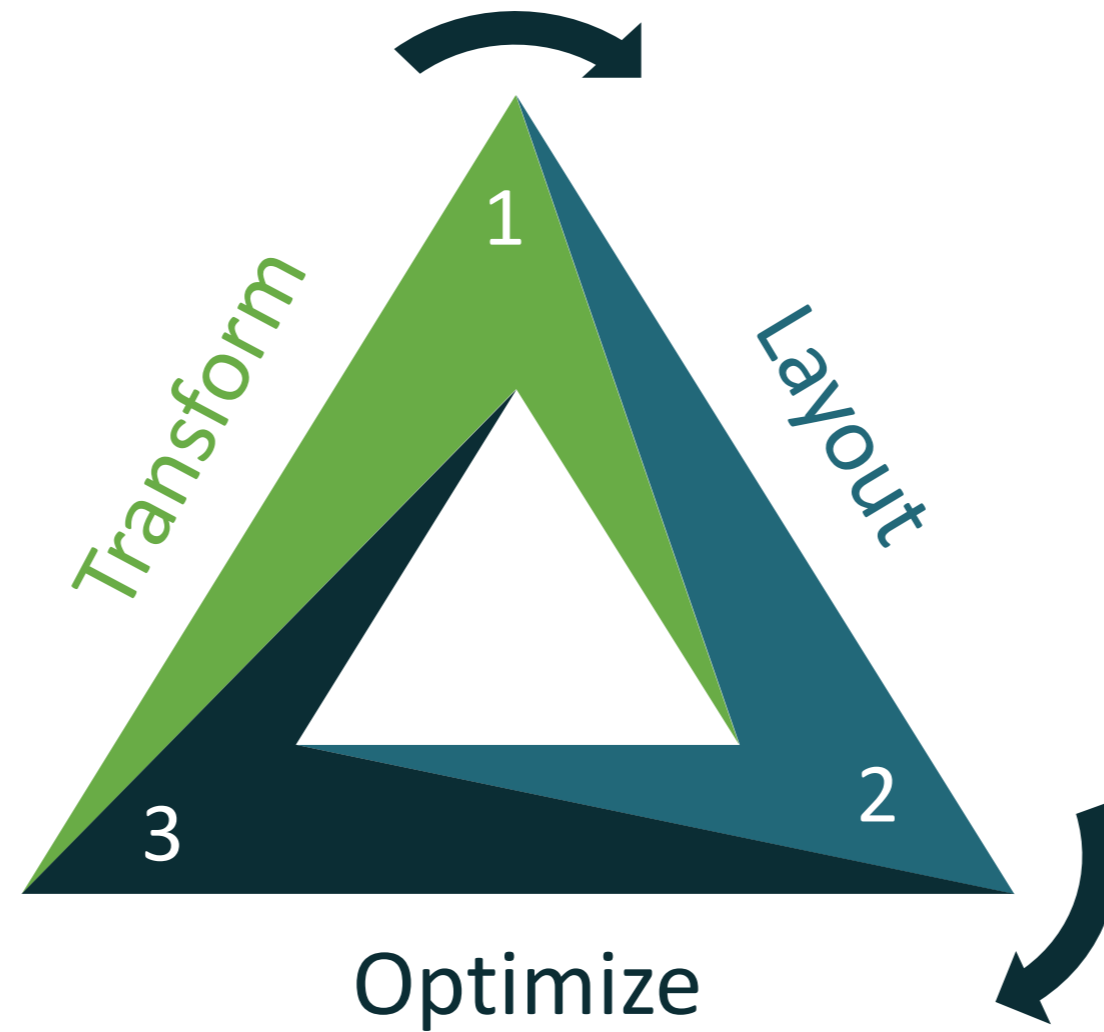
This affects many market segments:

- Scientific and commercial publishing
- Industrial catalogues as well as STM
- Corporate and technical publishing

How metiTec works

1.

Transforms structured content into XML and integrates images, tables and assets from various sources.



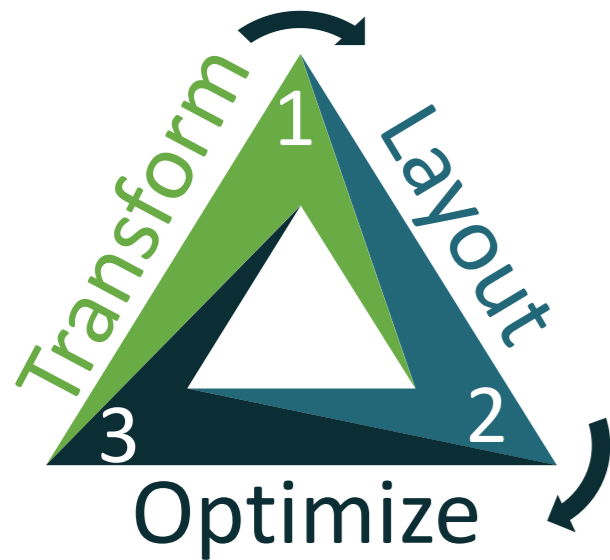
2.

Dynamically calculates space requirements for all page elements and controls page layout using intelligent design rules and measurements.

3.

Uses cross-page planning to complete automation, analyzes the consequences of existing breaks, applies rules for future breaks and creates optimal horizontal and vertical breaks.

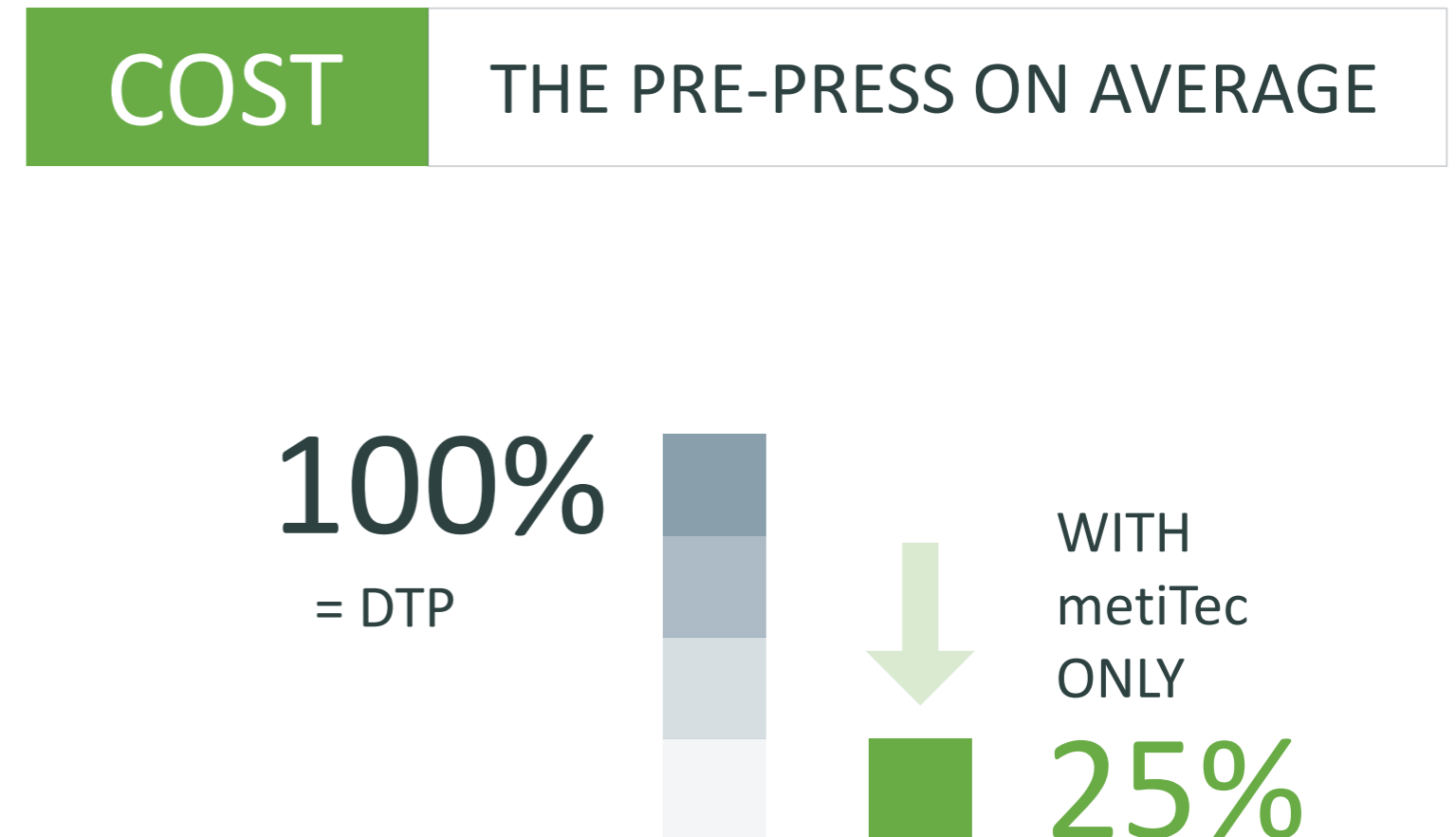
The Typesetting Intelligence of metiTec



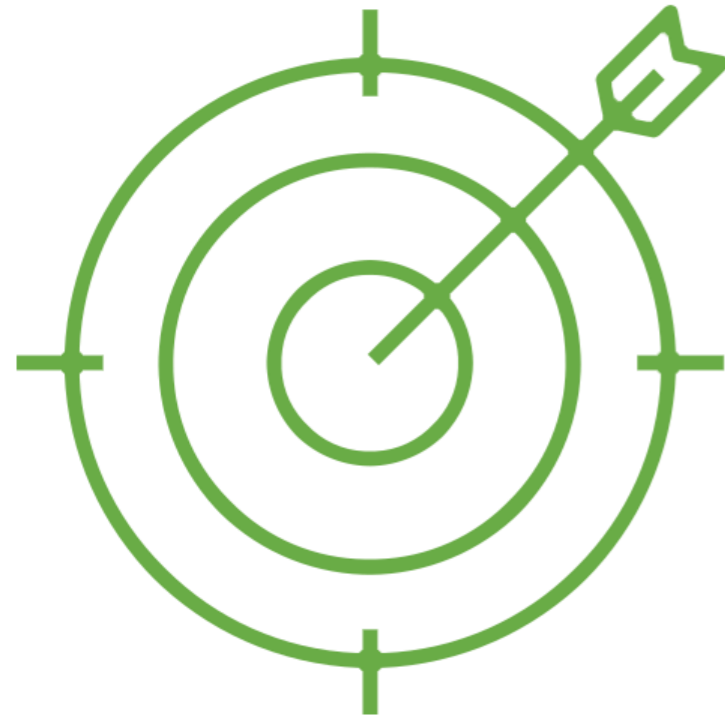
- **Typesetting operators** automatically adapt and integrate data to layout via typographic and micro-typographic calculations and functions:
 - vertical feathering including grid layout
 - operators for calculating:
 - spacing, glue and line distance
 - font size, glyph scaling and optimized line length
 - automatic switch from justification to ragged type
- **Layout operators** for controlling modification, synchronization and variation of page elements
- **Cross-page planning** for field positioning and layout based on measurement results
- Instruments for **complex and nested sets of tables**
- **Cross-page** footnotes, multiple columns and floats
- **Foresighted, optimized** horizontal and vertical page breaks
- **Automated, extendable hyphenation** for all Western European languages
- **Automated generation of hyperlinked** content tables, classifications and indexes
- **Automated cross-media production** in a single workflow for all electronic and print layouts (PDF, HTML, EPUB, eBooks, ...).

What does it mean?

- ✓ Up to 80% cost savings compared to standard and state-of-the-art DTP and (database) publishing systems.
- ✓ Cross-media and media specific publications from various sources without media discontinuity.
- ✓ Same content can be published for the first time in different languages at the touch of the button.
- ✓ Open standards (XML, PDF, EPUB, JSON, HTML) ensure easy integration with other business applications.



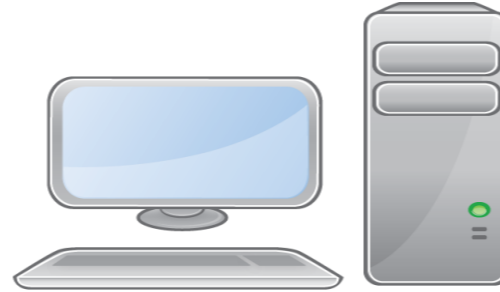
USP



- ✓ Fully automated transformation of the source documents (Word, Excel, DB, ...) into a print-ready XML format or in any other format.
- ✓ Geometric algorithms and mathematical optimization methods for the definition of rules for the automatic adaptation of the layout to variable data.
- ✓ Cross-media production in a single workflow for all electronic and print layouts (PDF, EPUB, eBooks, ...).
- ✓ On-Demand- und just-in-time production.

Use Case: Schwaneberger Verlag

Business Case:
Stamps Catalogue



Time Saved: > 3 months

Cost Saved: > 70%

Layout
Complexity

Very High

Source

Database / Json

Pages
Generated

400 to 3500

Time Taken

20 min to 4 h



500 pages with 9000 images
in 20 minutes



PRINT



WEB



E-BOOK

Use Case: ISTAF

Business Case:
Brochure for Print, Web and Smart
Phones



Time Saved: > 2 days
Cost Saved: > 70%



Cross-media Publishing, time critical
Web-to-print publication, just-in-time



Use Case: Lexxion Verlag

Business Case:
Scientific journals and conference
material in the field of Law



Time Saved: > 1 week
Cost Saved: > 80%

Layout
Complexity

High

Source

*Word
(.doc & .docx)*

Pages
Generated

240 to 360 / journal

Time Taken

< 20 mins



Just-in-time publishing with complex
footnote-logic, floats and columns



Use Case: Erich Schmidt Verlag

Business Case:
journals in the field of tax law, labor
and social law, business law



Time Saved: > 1 week
Cost Saved: > 80%

Layout
Complexity

Medium

Source

XML

Pages
Generated

40 / journal

Time Taken

< 2 mins



Just-in-time publishing with complex
footnote-logic, floats and columns



Use Case: Weka Verlag

Business Case:
Loose leaf publication in the field of
European law



Time Saved: > 2 week
Cost Saved: > 80%

Layout Complexity <i>High</i>	Source <i>XML</i>	Pages Generated <i>200 / update</i>	Time Taken <i>< 5 mins</i>
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Just-in-time publishing with complex
footnote-logic, floats and columns



Use Case: Westermann Verlag

Business Case:
Lexicon (Book of Geography)



Time Saved: > 2 months
Cost Saved: > 70%

Layout
Complexity

Medium

Source

*XML / Content
Management
System*

Pages
Generated

3240

Time Taken

~ 1 hour



Just-in-time publishing with floats,
columns, running title logic, marginal
index tabs



PRINT



WEB



E-BOOK

Use Case: Österreichische Post

Business Case:
Product Catalog



Time Saved: > 7 days
Cost Saved: > 80%

Layout
Complexity

High

Source

Excel (CSV)

Pages
Generated

100

Time Taken

~ 1 minute



Just-in-time publishing, 3-column
and 4-column grid layout with
automated break for all elements.



Customer benefits

What is eliminated?



- Employees who are annoyed with 30 Word files per book and handle them via email exchanges,
- Import pre-formatted documents into InDesign and then correct them page by page, move the images around and manually create tables of contents, illustrations and tables as well as personal and subject indexes and place footnotes,
- endless corrections and post-processing for any digital offers.

Customer benefits

Benefits of metiTec at a glance



- Saves time and money,
- Fully automated publication increases production efficiency and productivity,
- Easier work by automation of manual work,
- cross-media production in a single workflow and for any output channels and formats,
- On-Demand- und just-in-time production,
- highest quality in typography and layout,
- open standards, easy integration, without special technical requirements.

Thank you



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