





## **New Head of R+D**





### Dr. Stefan Götzendörfer

- + Ph. D. Chemist
- + Joined Z+G in November 2023

- + Successor of Michael Handl
- + Deferral of some projects due to personnel change

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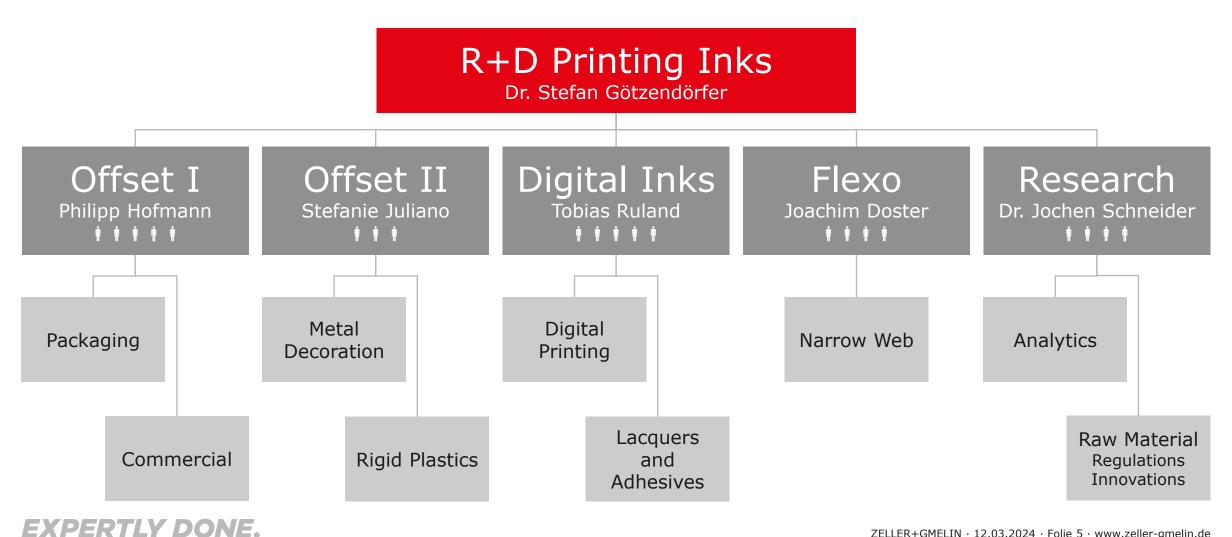
- + Ph. D. Chemist
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Expertise in thin film and surface technology

- + **Sol-Gel chemistry**4 years at Fraunhofer-Institute for Silicate Research
- Abrasive surface texturing
   4 years at Berliner Glas Surface Technology
- + Hybrid polymer lacquers and coatings 8 years at Aalberts Surface Treatment

### **Team Structure**





# **Business Segments**







# **Driving Forces for R+D**





#### **Current material issues**

- + Raw material purchasing
  Suppliers stop production due to high regulatory effort
- + Raw material logistics

  Military conflicts disrupt established transport routes (red sea etc.)
- + Volatile raw material quality
- + Price increase of raw materials
- + Permanent increase of regulatory material restrictions ECHA, EuPIA, GIO, customer preferences, country listings

### R+D

- + Permanently searches and qualifies alternative materials
- + Enables the use of low quality batches

# **Driving Forces for R+D**







#### **Diversification versus Consolidation**

- + Currently 3300 different articles at Z+G Printing Inks (excluding subarticles)
- + Individual modifications may require reformulation of whole series
- + 400 different raw materials in use

#### R+D

- + Takes care about special customer requirements
- + Supports Technical Service Center and application technology
- + Works together with Process Technology for process optimization and simplification

## **Almost finished**





### **Grinding of concentrated pigment dispersions**

- + lowers production costs by reducing the number of grinding cycles
- + Currently extended to further ink series

### **Completion of LED-curing series**

- + For all appropriate printing technologies
- + FCM- and non-FCM versions

Transfer of lacquer and adhesives production from UK to Eislingen

### Revenants





### **Long-term projects**

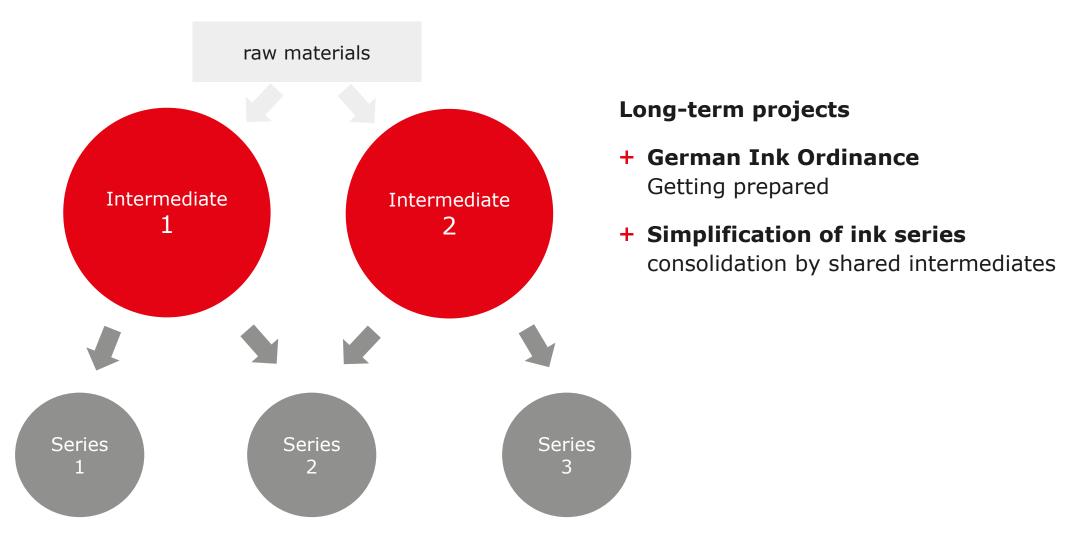
+ **Sustainability:** Utilization of bio-based raw materials

+ Global R+D collaboration: D - USA - UAE

+ Deinking

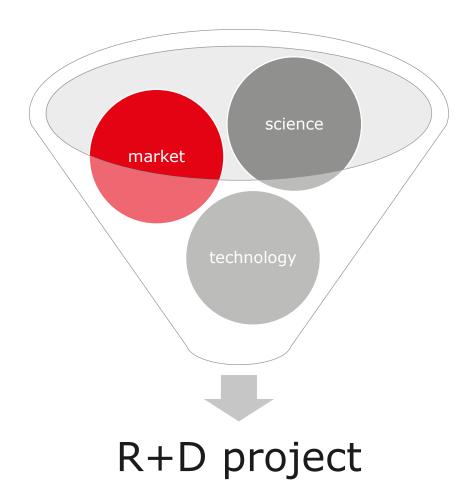
# Coming up





# **Future Projects**





### Input and inspiration for R+D

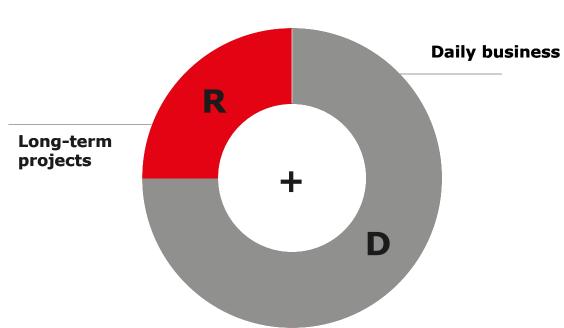
- + Customer requests and problems
- + New devices and technologies in **science**
- + Activities of our **competitors**
- + New products and offers of **suppliers**
- + Legislation and associations

# **Future Projects**



**Biggest challenge for R+D:** 

Not only being driven by external forces, but retaining resources for genuine research



R+D capacity

Thinking outside the box is the way to achieve **REAL** USPs

