



**RODIAS**

YOUR DIGITAL TRANSFORMATION SPECIALIST

RODIAS GMBH | MEMBER OF ROBUR INDUSTRY SERVICE GROUP

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# 360° Digital Driven Dismantling – Deconstruction thought from the End

ACI Nuclear Decommissioning & Waste Management Summit London | Feb 23, 2023



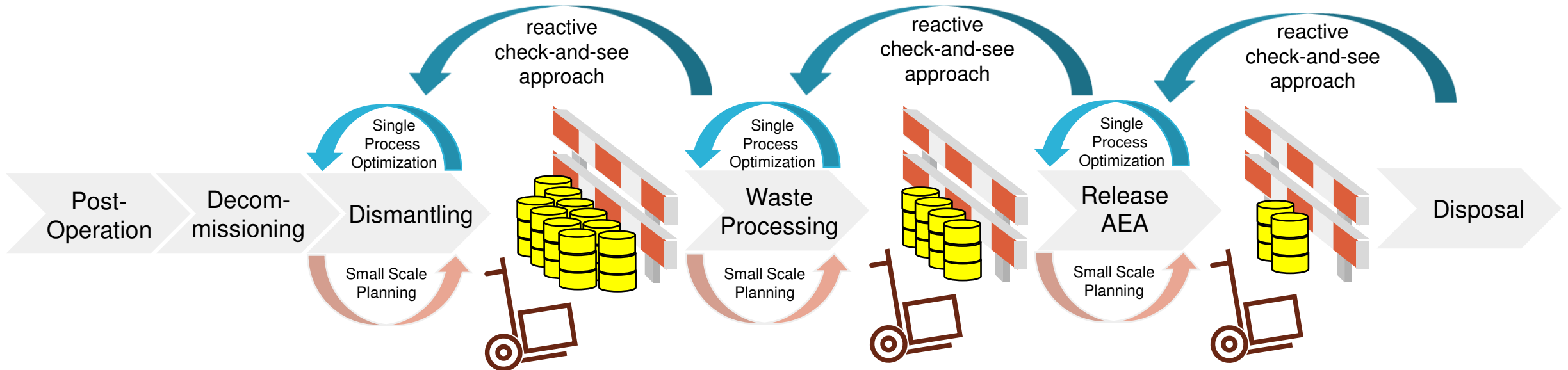
360°

**YOUR MISSION:  
ONE SOLUTION**

DIGITAL  
DRIVEN

DISMANTLING

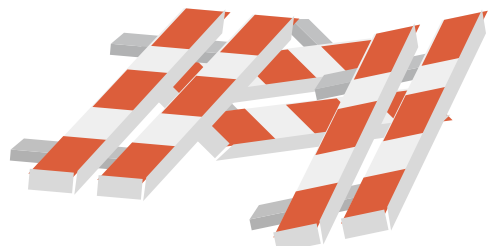
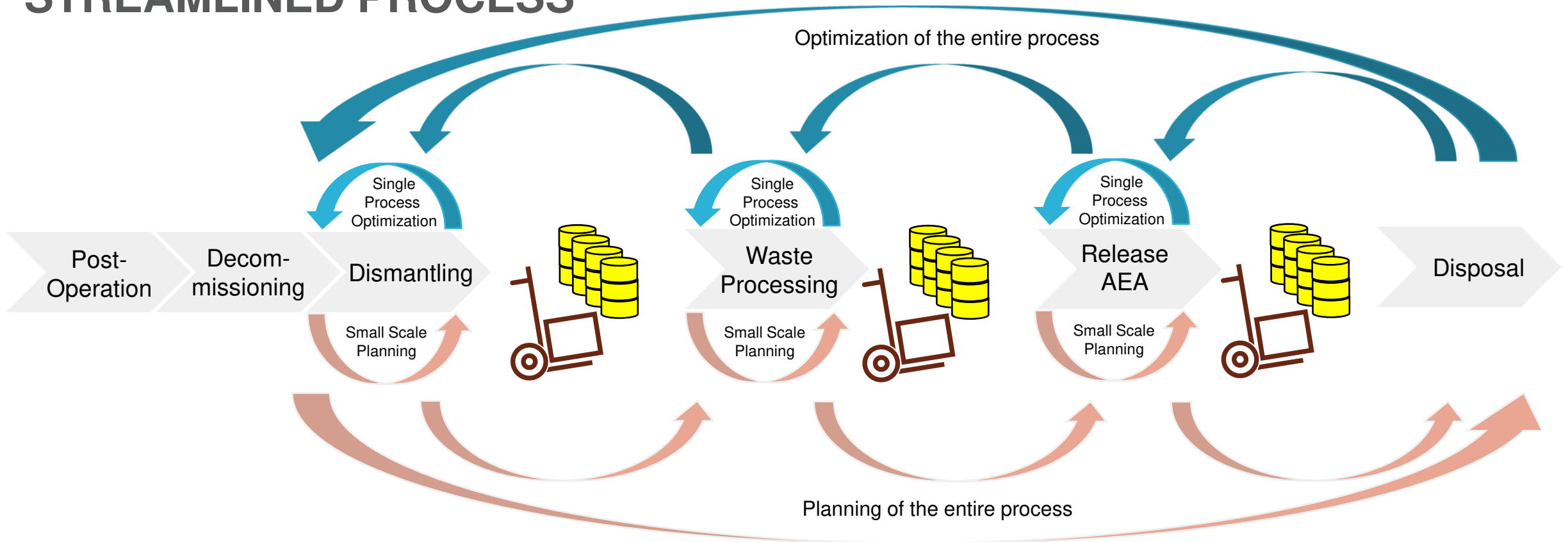
# PAIN: SMALL SCALE PLANNING LEADS TO REPETITIVE ROADBLOCKS



## Outcome:

- no reliable forecasts for downstream processing steps
- no holistic resource planning
- no optimal utilization of storage capacities and processing stations
- no reliable basis for investment decisions
- no overview of the total runtime and total budget

# Gain: PLANNING AND OPTIMIZING THE ENTIRE PROCESS LEADS TO STREAMLINED PROCESS



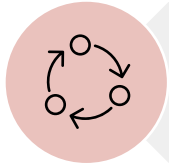
- Better time and cost overview over the entire course of the project
- More efficient use of all resources
- Optimized dismantling sequences
- Optimized utilization of the processing stations
- Good basis for investment decisions



# OUR APPROACH

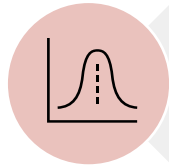
PLANNER  
OPTIMIZER  
LOGISTICS

# Our all-In-One Decommissioning and Dismantling Solution: 360° Digital Driven Dismantling



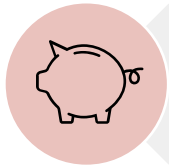
## All-In-One Solution

- Planning – bundling tasks into work-packages
- Optimization – ideal usage of resources
- Logistics – waste tracking



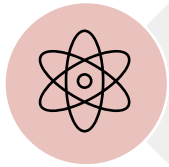
## More than just Planning - Optimization

- Simulating alternative courses of action
- Make or buy decision support
- Scenarios for resource investment cost planning



## Super fast „Time to Market“

- Predefined business content & templates
- Business process acceleration
- Adaptability based on low-code platform



## Nuclear Industry Expertise

- Understanding of asset dependencies
- Experience in material flow planning
- Collaboration of authorities, planners & management



## Best Practice

- Best practice decommissioning templates
- Continuous experience-based improvement
- Member of the decommissioning community









# Our all-In-One Decommissioning and Dismantling Solution

## 360° Digital Driven Dismantling



### Dismantling Planning

A forecast for the entire project duration is created by calculating deconstruction masses, material quantities and resource requirements

### Dismantling Optimization

A complex algorithm optimizes the plan in terms of time and total costs. The simulation of alternative plans lay the foundation for investment decisions.

### Dismantling Logistics

Our solution allows for the management of residual materials throughout the entire process from dismantling to storage, processing and disposal – even with a mobile solution



**WHO WE ARE**

ABOUT  
US



## Your Specialist for Enterprise Asset Management & Digital Transformation

As an IT consulting company, we specialize in the design and implementation of digital solutions for maintenance, plant management, operations and dismantling.

We support our customers in achieving their goals in the field of digital transformation of the industry.

In doing so, we support them on topics such as smart devices and sensor technology (IoT), condition monitoring and predictive maintenance (AI), as well as the digital transformation of operations management, maintenance, aftersales services and the dismantling of complex assets and power plants.

# RODIAS Milestones

## Foundation

The nuclear power plant in Lingen/Emsland needed an IT solution to manage documentation, asset management and operations. This resulted in a product being developed and a company being founded:

**GiS – Gesellschaft für integrierte Systemplanung mbH.**



**1984**

## Takeover ROBUR

After years of successful growth in the nuclear industry in Germany and Switzerland, the service portfolio was extended by standard EAM products from IBM and Infor targeting large, complex industrial clients.

In 2018 GiS was acquired by **ROBUR Industry Service Group**



**2018**

**GIS**  
IHR DIGITALISIERUNGSSPEZIALIST



**2020**

**EAM**  
IHR DIGITALISIERUNGSSPEZIALIST

## Merger

Merging with our sister company EAM Software GmbH added 20 years of IBM Maximo experience and made us to the largest IBM business partner in our segment.

## RODIAS GmbH

An IT consulting company with focus on design, development, implementation and operations of IT-solutions for maintenance and decommissioning of large and complex industrial assets.



**RODIAS**  
YOUR DIGITAL TRANSFORMATION SPECIALIST

**today**

- 12 MM EUR revenue
- 100 employees



RWE

EnBW

BKW

Kernkraftwerk  
Leibstadt

e-on

Kernkraftwerk  
Gösgen

KTE  
Kerntechnische  
Entsorgung Karlsruhe

axpo



1984

2022



## Experience

- 39 years of large-scale IT projects in critical industries with a team of experienced consultants
- Since 2013 over 60 man-years of IT-development experience with tools for waste tracking and dismantling planning

## Continuity

- Long-lasting and trusted customer relations (30+ years)
- Loyal employees with an average of 20 years in our company
- Continuous improvement of our solutions in close coordination with our customers, meanwhile rolling our 4<sup>th</sup> software generation

## Success

- At the peak, we had over 20 plants operating on our solutions. Today, all German and Swiss nuclear power plants are using our solutions
- We are since contributing to minimum overhaul downtimes.
- Today, we help optimizing the dismantling process

# Main Market: Energy & Utilities

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For more than 39 years, we have been supporting energy & utility customers with the digitalization of their internal processes for maintenance service provisioning as well as for the safe decommissioning of nuclear power plants.

In the nuclear industry, RODIAS has been setting the standard for plant management systems in the German-speaking market for several decades with its software solutions.

The hydrogen market is our next step into a sustainable future.



**RODIAS** is part of

**ROBUR**

IHR INDUSTRIESERVICESPEZIALIST

a **global** industry services company





# RODIAS

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