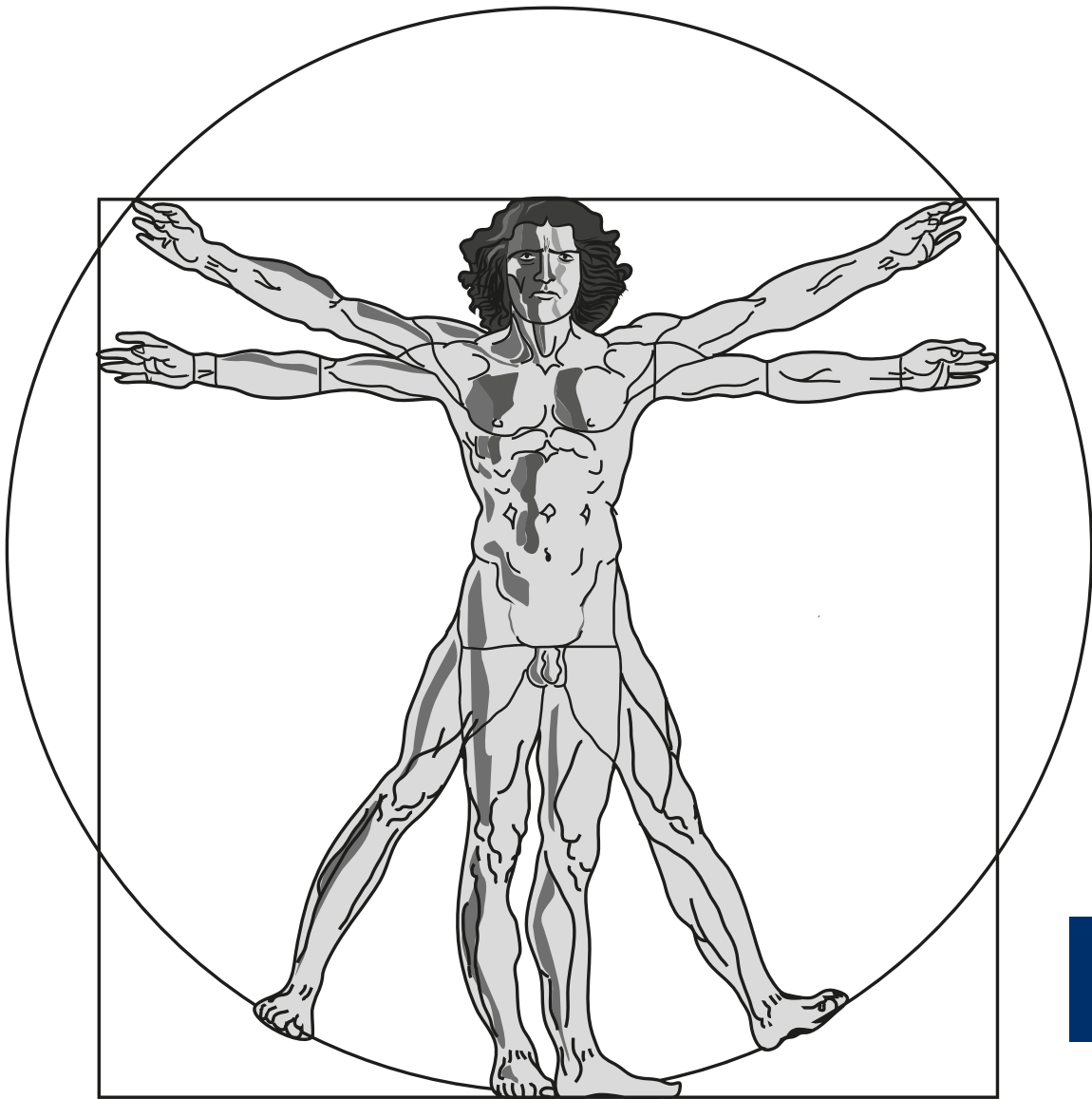


SaferWorldbyDesign

# SOLUTIONS

## HANDBOOK



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# About us



## What do we do?

SaferWorldbyDesign is a solution-oriented safety assessment platform supporting the design and testing of intelligent, safer products using new approach methods in toxicology and next-generation risk assessment.

Our partners bring expertise in the best emerging research methods in toxicology, biology, chemistry, risk assessment, and computer science to provide a one-stop shop for designing a safer world.

# Our Solutions

SaferWorldbyDesign provides a comprehensive suite of safety assessment solutions to support the design and testing of intelligent, safer products. These solutions are targeted at human and environmental health concerns and are designed to address key safety properties and potential toxicological effects associated with the targeted organ or system.

All services are supported by a harmonized knowledge infrastructure and an expert consulting team, providing clients with a comprehensive and integrated approach to safety assessment.







SaferSkin is an integrating application which supports the determination of key safety properties of skin, including irritation, tolerance, penetration, metabolism and sensitization.



With SaferNeuron we provide solutions to characterise compounds for neurotoxicity or its absence, thus supporting the design of safer products for both adults and children



With SaferEndocrine we offer integrated approaches to assess compounds for endocrine disruption concerns. We offer solutions including *in vitro* assays, computational toxicology methods and regulatory toxicology assessments.



With the SaferLiver solution package we provide services in the field of hepatotoxicity including integrated *in silico* models and *in vitro* assays that are based on latest developed cell and tissue models.



Our Lung solution integrates *in silico* and *in vitro* methods to support the determination of key safety properties of lungs, such as irritation, tolerance, penetration, metabolism, and sensitization.



This package offers *in silico* and *in vitro* models to evaluate nephrotoxicity based on recent research in kidney toxicology. It includes new cell and tissue models to better understand the molecular mechanisms underlying kidney toxicity.

# Safer- Expertise

In addition to our cutting-edge organ-specific solutions, we offer a range of comprehensive services including risk assessment, data analysis, characterisation, and toxicogenomics to help your business stay ahead of the game.



## Risk assessment

During the research and development phase of new products, the early identification of possible concerns can help in significant downstream resource savings, both in go-to-market and post-market launch situations.



## Toxicogenomics

With the toxicogenomics solution package we offer services in the fields of transcriptomics, proteomics, metabolomics, lipidomics, epigenomics and bioinformatics.



## Data services

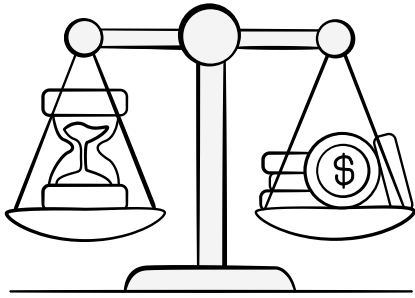
We excel in the field of Data Science by adopting a holistic approach that combines technical expertise with strategic thinking.



## Characterisation

With our Characterisation solution package we provide new approach methods for characterisation of compounds, advanced materials and nanomaterials in the field of toxicology and new approach risk assessment.

# Why choose us?

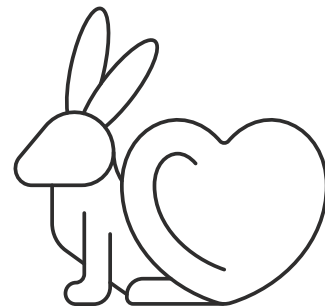


## Saves time and money

No matter what kind of business you're in, having an in-depth understanding of what is inside your product will give you a competitive edge. Maintain your company's integrity and save money by being guided by industry leading experts.

## Animal free tests

Historically, products have been tested using animals. We adhere to and pursue the 3Rs principles (Refinement, Reduction, and Replacement of animal testing) through the integrated use of modern interdisciplinary science.



## Better data management

Our data management is driven by EdelweissData™. This approach organizes your data into a single location, which makes it easy to be found and used for various purposes: browsing, modelling and end-user applications.

# How do we work?

## Personalized support

We offer you personalized support throughout the entire supply chain to ensure your product's and brand's integrity.

### Get in touch

Getting in touch with us is quick and easy. You can register for a [free consultation](#) online and learn more about how our services can benefit your business.

1

### Consultation

During our Consultation meeting, our expert team will listen to your concerns and discuss your specific needs to help identify the best solutions for your business.

2

### Solution Development

Based on your needs, we'll provide you with a tailored proposal and pricing that meets your budget and ensures you receive the best value for our services.

3

### Execution

Once you've agreed to our proposal and pricing, we'll start testing and analysing your products using our state-of-the-art technology and expert knowledge.

4

### Done!

We'll provide you with a detailed report of our findings, including any potential risks and recommended actions. The results will ensure that your products are safe, compliant, and meet your customers' expectations.

5

# How do we test?

We offer a diverse range of assays and methods, from well-established to cutting-edge, that meet the high standards of modern science, with an aim to provide an excellent and highly customized service in a transparent manner.



## *in Silico*

Our testing *in silico* is unparalleled, as we have a team of experts that can apply a range of algorithms and machine learning techniques to diverse datasets, enabling us to create both reference and bespoke models that fit the needs of your company. This approach ensures that your product is tested with the most advanced and accurate methods, giving you the competitive edge you need in the market.

## *in Vitro*

Our *in vitro* testing services utilize the latest technologies and methodologies to assess the safety and efficacy of your products, while minimizing the need for animal testing. Our team of experts will work with you to design and execute studies that meet regulatory requirements and provide valuable insights into your product's performance.





# Our partners

Our partners can provide you with a wide variety of services including the most up-to-date *in vitro* assays, computational toxicology and toxicokinetic methods, consumer testing, and regulatory toxicology assessments.

If you're someone who is looking for assistance with complex formulations and corresponding regulatory compliance towards authorities, we can help. Our mission is to find potential safety issues before they become a problem for your company. We will provide step-by-step assistance for your projects, regardless of your industry.



Better knowledge  
infrastructure is key  
to better business  
decisions

## Contact us



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