Munich Re's
Data Risk Intelligence

Don't cut back on data and IT security – but on the effort involved!

# Contents

With Munich Re's Data Risk Intelligence you can significantly reduce the time and expense involved in implementing the GDPR and at the same time improve the quality of your operations

Our comprehensive and at the same time modular solution for risk-based data protection and IT security management, including third-party risk assessment, has been thought out down to the smallest detail and tried and tested in practical application. In this way you create the greatest possible legal security for your company.

Munich Re's Data Risk Intelligence enables you to considerably simplify and accelerate your data and information protection processes, and at the same time provides you with an analysis that gives you a comprehensive overview not only of the current status of your data and information protection but also your IT risk management.

You will even receive this individual analysis automatically in the form of comprehensive documentation in accordance with regulatory requirements, as well as individual recommendations for action to reduce your risks to the greatest possible extent. **And all this in only 3 steps.**
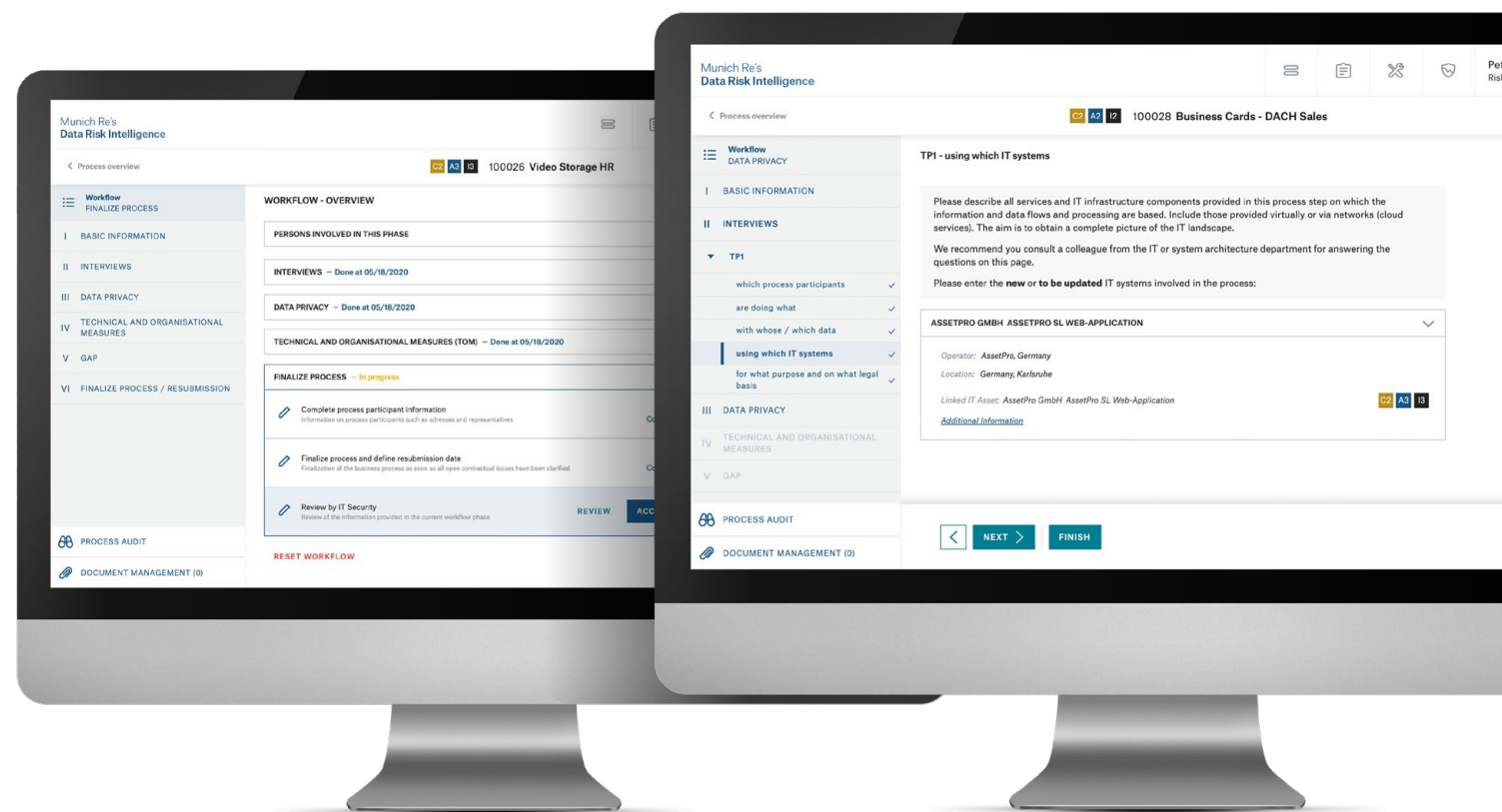
140

With 140 years of experience in risk assessment and risk management, Munich Re has the world's largest and most comprehensive expert know-how for the development of high-quality software solutions in this field.

4 bn

Nearly 4 billion people use internet-based services and generate new data with every interaction.

>90%

More than 90 % of the data circulating worldwide has been generated in the past three years.

600

600 billion US dollars in damage was caused by cybercrime worldwide in 2018 alone, a whopping 35 % increase since 2014. The overall loss thus corresponds to 0.8 per cent of global economic output.

"Munich Re's Data Risk Intelligence from the Munich Re's Risk Suite software portfolio is the only solution for data protection and IT risk management which is based on the most extensive and comprehensive expertise worldwide derived from 140 years of risk assessment and management."
Christof Reinert | Head of Risk Management Partners

To maximum data protection in just 3 steps

Munich Re's Data Risk Intelligence ensures that your company is well prepared for all current and future requirements with regard to data protection regulations and information protection – worldwide, cost-efficient and legally compliant.

1. Process analysis

By means of a user-friendly, configurable dialogue and workflow system, the software solution classifies the data processed in the business process/procedure step by step, compares the data processing with the applicable legal requirements and documents the processes.

– A decision-based catalogue of questions for the analysis of personal and non-personal data

– Structured, individual user guidance through the entire question process

– Collaboration throughout by assigning specific "roles"

– Checking and processing of cross-company and cross-country data flows

2. Risk evaluation

Based on the data classification, technical and organisational measures (TOMs) which can be individually adapted to the respective needs of your company are proposed automatically. The evaluation of these TOMs identifies vulnerabilities that you can subsequently deal with.

– Evaluation of the criticality, integrity and availability of data on the basis of the findings of the catalogue of questions

– Deduction of legal conclusions as well as appropriate technical and organisational measures (TOMs)

– GDPR-compliant data protection

– Identification of IT compliance deficiencies and IT security vulnerabilities (GAPS)

3. Legal documentation

In the process the software automatically uses the information provided by your company to generate all the legally required documents, such as contract processing, the data deletion concept, a data protection impact assessment and the processing directory.

– Management of relevant data processing and data privacy information at one place

– Audit logging of risk manager approval and management board decisions

– Generation of documents in different formats and versions (with or without TOMs)

– Document management – for more extensive documents, too
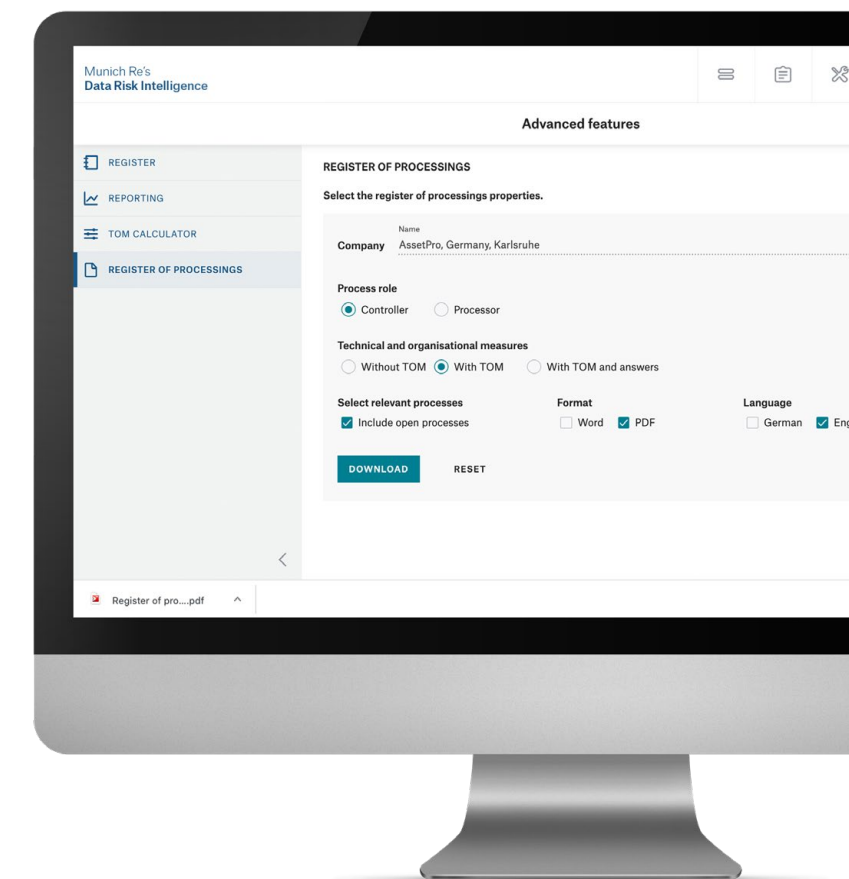
Security is good. Eightfold security is even better!

Data protection management

– Situation analysis using a predefined, workflow-based interview catalogue

– Data protection organisation based on interdepartmental cooperation

– Automated creation of required documents

– Logging and visualisation based on comprehensive reporting

– Flexible and customer-specific adaptation through administration functions

IT risk management

– Classification and assignment of data

– Evaluation of technical and organisational measures

– Identification of information security and IT security vulnerabilities, so that these can be dealt with subsequently

– Check on third parties involved in the process by identifying relevant controls

Protection of business secrets

– Evaluation of processes without personal data, but with critical and sensitive data (e.g. contracts or blueprints)

– Identification of criticality, i.e. the confidentiality, integrity and availability of the data types defined for this purpose

– Identification of vulnerabilities based on specific controls defined for this purpose

Cybersecurity assessment

– Creation of a checklist for cybersecurity requirements

– Review on the basis of a TOM list extended by information security checks

– Extended documentation and handling of vulnerabilities through involvement and escalation of various stakeholders

– Identification and management of vulnerabilities and the resulting risks (advanced risk assessment)

Tech. and org. measures

– Preconfigured and customisable customer-specific TOMs and checks

– Continuous checking and adjustment of stored TOMs

– Automatic documentation of the corresponding results and optimisation measures

– TOM calculator for fast and specific generation of technical and organisational measures for specific process characteristics

Third-party risk assessment

– A workflow-supported check on all third parties involved in the process from a data protection and IT risk management point of view

– Integration of third parties through "identity and access management"

– Determination of individual TOMs for external parties

– Central administration of all service-specific information and documents

Compliance management

– Assessment of third parties on the basis of specific relevant monitoring requirements

– Identification of risks for all parties involved in a business process

– Management of the identified vulnerabilities

– Continuous review of the checklist of controls and appropriate adjustments based on identified vulnerabilities

– Audit functions per process as well as across-the-board by the role (auditor)

Analysis of vulnerabilities

– Carrying out a risk assessment on the basis of checks revealing non-compliance

– Definition of mitigating measures

– Integration of experts on risk acceptance through delegation and escalation to different stakeholders (e.g. CISO, management etc.)

– Use of automatic risk management on the basis of ISO 31000 (advanced risk assessment)

Select the edition that best suits your requirements. And simply extend it whenever you wish

Thanks to its modular structure you can not only adapt the solution to the individual maturity level of your integrated data protection and IT risk management, but further modules can also be flexibly added to the editions "Enterprise" and "Professional" at any time.

The Data Risk Intelligence platform

All editions are based on the common Data Risk Intelligence platform. It forms the technical basis and provides the common user interface for all modules – including all those you book at a later date. This means you always have an overview and can operate in your familiar environment.

Standard Data Risks module

This module groups together all the standard functions of the Data Risk Intelligence solution. From process analysis via risk assessment to documentation (see list on the right for the complete range of functions). Together with the Data Risk Intelligence platform this module forms the Professional Edition.

Enterprise Data Risks module

In order to optimally integrate the solution into your company's application landscape, simply choose the Enterprise Edition – this already includes the Enterprise Data Risks module and therefore not only ensures full group capability but also provides an additional comprehensive TOM list.

Data Breach module

This optional module enables you to document data protection violations through initial and follow-up reports, to assess the obligation to report them, and to store them under an incident number for further processing in the system. Also available as stand-alone Data Breach Edition (see list on the right).

Optional extension modules

You can also cover more extensive regulatory requirements with the optional expansion modules, which can be seamlessly integrated into the solution.

– **Data Subject Rights module**: Offers you the structural documentation and management of enquiries from data subjects.

– **Advanced Risk Assessment module:** Replaces the Basic Risk Assessment vulnerability analysis in the workflow and thus offers the possibility of extending the scope of the analysis and adapting it to your individual needs.

	Enterprise Edition	Professional Edition	Data Breach Edition
Data Risk Intelligence platform	Included	Included	Included
Standard Data Risks module	Included	Included	✕
– Rights and roles concept	✔	✔	✕
– Customisable workflow with interview	✔	✔	✕
– Register of processing activities	✔	✔	✕
– Data protection impact assessment	✔	✔	✕
– Automatic document generation	✔	✔	✕
– Management dashboards (PowerBI)	✔	✔	✕
– Multilingual expansion option	✔	✔	✕
– GAP analysis and monitoring	✔	✔	✕
Enterprise Data Risks module	Included	Purchasable	✕
– Integration in the application environment	✔	⊕	✕
– Group capability	✔	⊕	✕
– Comprehensive TOM list	✔	⊕	✕
Data Breach module	Purchasable	Purchasable	Included
Extension modules			
Data Subject Rights module	Purchasable	Purchasable	✕
Advanced Risk Assessment module	Purchasable	Purchasable	✕

Included in this edition   ✔ Included in the corresponding module
Can be purchased additionally at any time   ⊕ Available as soon as the corresponding module is purchased
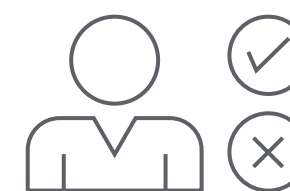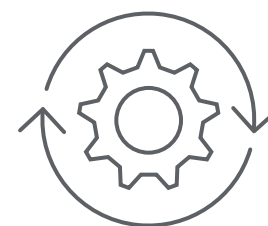
All the benefits at a glance

Little work involved

in setup and implementation thanks to the cloud-based SaaS solution

Transparent workflow

resulting from effective management of roles and rights

Future-proof solution

thanks to continuous technical and regulatory development by Munich Re

Optimised data protection

enabled by an automated and flexibly adaptable workflow structure and specific classification of data

Maximum legal security

due to compliance with proof and documentation obligations ensured by the automated generation of all legally required documents

A faster overview

of all relevant business processes, identification of vulnerabilities and documentation of individual technical and organisational measures

Overview
Munich Re's Risk Suite

Munich Re's Risk Suite is a range of modular risk solutions provided as a software portfolio by Munich Re Service GmbH, a wholly owned subsidiary of the world's leading reinsurer. It offers companies access to the risk management tools developed in-house and the knowledge and experience of 140 years of one of the world's leading providers of reinsurance, primary insurance and insurance-related risk solutions.

Since the introduction of NATHAN (now Natural Hazards Edition), Munich Re has been a pioneer in the global assessment of natural hazard risks. Munich Re's Risk Suite builds on this expertise and offers a selection of well-engineered risk assessment solutions for technical underwriting, data protection, investment decisions and climate change analysis.

On the other hand, Munich Re's Risk Suite draws on years of experience in global data transfer under regulatory requirements. Against this extensive background of experience, highly efficient solutions for data protection and IT security management were developed, originally for internal use, which ideally complement Munich Re's Risk Suite and thus provide companies with a comprehensive set of tools that covers the management of all risk aspects relevant to a company and is continually being developed further in view of the expected further increase in complexity in the field of data and IT security protection.

Munich Re's Location Risk Intelligence

	Natural Hazards Edition*	Climate Change Edition	Wildfire HD Edition
Location Risk Intelligence Platform	🟢	🟢	🟢
Natural Hazard Risks Module	🟢	⚪	⚪
Climate Change Risks Module	⚪	🟢	⚪
Wildfire HD Module (USA, Canada)	⚪	⚪	🟢
Additional Modules (optionally available):			
ZÜRS Integration Module (Germany only)**	⚪	⚪	⚪
GEM Integration Module**	⚪	⚪	⚪

*Also available as On-Demand version (pay as you go)
**Enables the integration of the corresponding data (customer license required)

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	Enterprise Edition	Professional Edition	Data Breach Edition
Data Risk Intelligence Platform	🟢	🟢	🟢
Standard Data Risks Module	🟢	🟢	⊗
Enterprise Data Risks Module	🟢	⚪	⊗
Data Breach Module	⚪	⚪	🟢
Additional Modules (optionally available):			
Data Subject Rights Module	⚪	⚪	⊗
Advanced Risk Assessment Module	⚪	⚪	⊗

🟢 Included in this edition ⚪ Can be purchased additionally at any time ⊗ Not available in this edition