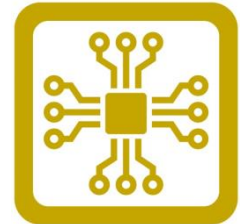# Cyber data pool
Big data against digital dangers

Cyber attacks have become a terrifying normality and can affect big companies as well as small ones. The economic damage in Germany already amounts to 220 billion Euros. Although the types of cyber damages are very divers, it is possible to actuarially record, classify, evaluate and therefore reliably insure them.

In order to achieve a significant statistical validity, Meyerthole Siems Kohlruss (MSK) operates a data pool for cyber risks in collaboration with E+S Rück – the first of its kind in the German speaking market.

The cyber data pool collects and analyzes single contract data of currently six insurance companies representing an overall market share of 25% and of over 50 % for Small and medium-sized enterprises (SME). In addition to actuarial analyses on a contract-level there is also the possibility to separately evaluate the components service costs, first- and third party losses.

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Detect risks in time, unlock potential

> Enhance data quality: through high-grade validation, the data of companies that take part in the data pool are assessed with regard to plausibility. Risks are detected early, common standards in the coverage of data are established.

> Supplement the statistics of the German umbrella organisation of private insurers (GDV): the evaluation tool of the data pool provides a broad range of characteristics and possible evaluations in addition to those provided by the GDV.

> Monitor accumulation risks: cumulative losses (with regard to an individual pool member or the pool as a whole) are defined and analyzed in coordination with the other pool members.

> Examine the tariff assumptions: it is examined whether the loss estimates that are the basis of the tariff calculation are correct and whether the business is set up in an adequate way to narrow down the insurable risks.

> Gain new perspectives: pricing models that rely on technical exposure values (e.g. the number of electronic devices or IT security scorings) are analyzed and discussed.

Further services of the data pool

> Access to qualified pool data for independent analyses – if desired also with our software tool »Cyber Analyzer«

> Experts of E+S Rück and Meyerthole Siems Kohlruss support the identification and evaluation of anomalies in the company's portfolio

> Anonymized benchmarking of various key figures – e.g. damage frequency, claims ratio, completion rates – for a significant market comparison

> Development of multivariate risk models for an optimal description of risks and to evaluate the portfolio of your company

> Regular opportunities for exchange with other managers and specialists that take part in the data pool
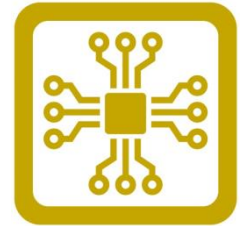
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Meyerthole Siems Kohlruss

Meyerthole Siems Kohlruss was established in Cologne/Germany in 1998 as the first German actuarial consulting firm. It supports insurers in strategic decisions and operative processes. Our areas of focus include data pooling, pricing, telematics, cyber, sustainability, assessment of reserves, reinsurance, Solvency II and EbAV II.

Data protection and data security

The DEKRA certificate ISO 27001:2017 is a confirmation from an independent party that Meyerthole Siems Kohlruss (MSK) continuously keeps a very high level of data security. The employed methods are in line with current legal requirements concerning basic regulation of data security, the antitrust law and the Code of Conduct.

Contact

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