

Data protection challenges at Bosch for Industry 4.0

Dr. Maria Cristina Caldarola, IP/IT in-house lawyer, BOSCH AG

Dr. Maria Cristina Caldarola, LL.M., MBA gave a very interesting speech on data protection issues that arise from Industry 4.0. She imparts this highly complex topic in a very engaging way by giving concrete answers, recommendations, best practices and advice from her own experience. She managed to instruct an audience with little to no knowledge in data protection and impart them with detailed and multifaceted comprehension. This approach resulted in the audience's ability to have a high level stimulating discussion at the end of her talk.

The talk started with introducing the type of data that is involved in Industry 4.0. Dr. Caldarola then defined instances when data protection laws apply and personal data is involved. In this regard she highlighted that even technical data – with a certain amount or specification – can lead to personal identification and a finger print. She went on to explain the different types of data processing during automatization. She highlighted the legal requirements in data processing that need to be fulfilled, so that the data flow or legitimation chain becomes lawful. Dr. Caldarola covered a full range of legal requirements including legal empowerments, technical and organizational measures, transparency, data economy and the applicable law. After having laid out principles in data protection she then applied these principles to Industry 4.0 and explained how to organize data processing in a linear, star-shaped or network structure as well as in local and/or cloud based environments as well as cross country and among different participants of the value chain.

Dr. Maria Cristina Caldarola, LL.M, MBA is an experienced IP/IT in-house lawyer in a multinational with worldwide responsibilities. She has a broad spectrum of skills related to licensing, patents, trademarks, domains, software, cloud, digital eco-systems, Industry 4.0 and Big Data.



Dr. Caldarola has a proven track record in elaborating and implementing global IP and IT strategies to enhance the respective market position. She is a trusted business partner for new topics such as open source software, anti-piracy strategies, Big Data and name creation in management boards.

She provides proactive advice with robust risk assessment. In addition to her position as in-house council, she recently launched her own start-up as an entrepreneur. She consults enterprises on cross-linking and diversification of their technology portfolio in different industry domains. She also seeks to help companies in enlarging their IP/IT portfolio in BOP markets.