History - Case

- Built on solid pillars of creation and innovation, committed to an innovative and breakthrough based business model, Blue Ocean provides the market a developer of needs and solutions. Our main product is innovation, with the difficult challenge of always reinventing itself. Thus, we find our "blue oceans," with solid foundations based on value creation, focusing on business and especially customer needs.

- All Blue Ocean initiatives and moves are the result of years of dedication of numerous specialists from various engineering sectors with a genuine commitment to convergent technology advancement, that is, exhausting cases of successes already implemented in other technology sectors and deepening the practices and possibilities of applications in the industries of interest, such as mining. Thus the necessary techniques for technological migration are applied, considering their due specificities and substantial differences for success in the targeted application, called these maneuvers of technological convergence. As the main success case, we cite the example of the first Blue Ocean equipment toward the mining industry presented in 2010, the Anti-Angle System - (Guillotine Valve). During the development, numerous reports of users and harmful divergences were identified and extracted in site. The technique of technological convergence of sectors such as Aeronautics / Aerospace, Automotive, was applied, and as a final result the installation of the prototype in the Itabira site. It presented as designed and exceeded all expectations scaled for this application, bringing success to the process.

- The equipment technology is evolutionary and adaptive, and its inner nature is to reconcile combinations between diverse sciences of sophisticated automation and the most modern in the technological world. However, it is worth mentioning one of the main topics of this development;

- The combination of countless sophisticated sciences and automation, where simulations have been thoroughly explored, combinations of mechanical structural variables, dynamics, DEM and FEA complex analyzes, interactions between particulates and behaviors of materials in their geological environment, interactions between particles in dynamics regime among other fluids, the algorithm captures this complex information, feeds back through its artificial intelligence and neural networks, interact with each other to create conference points, verify a vast Machine Learning library, advances the information.