# Civil engineering in the vision of new generations

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The future of civil engineering in the opinion of the authors will be determined by the structural design, by the materials used but also by the scientific concerns of the manufacturing industry materials . In the view of the authors, the structural concept has in mind the realization of some constructions that meet the main requirements stipulated by the legislation in force, requirements aimed at mechanical resistance, safety and function so that they fully respond to the function for which they were designed. Construction materials will be high performance materials with superior mechanical strength, i.e. high-performance concretes, concretes of high durability specific to the built environment. With reference to the manufacturing industry, the authors have in mind the industrial processes aimed at reducing dioxide emissions carbon, processes that will properly ensure the protection requirements the environment. A particularly important aspect in the opinion of the authors is identification energy independent solutions. The work represents case studies, opinion proposals based on scientific research that can initiate new research directions.

**Keywords:** civil engineering, environment, high performance materials

