Politecnico di Torino

URBAN AND REGIONAL DEVELOPMENT

Ateneo/DISEG/CVA S.p.A. - Digital Twin for the optimization of a hydroelectric plant

Funded By	C.V.A S.p.A a s.u. [P.iva/CF:01013130073] Politecnico di TORINO [P.iva/CF:00518460019] Dipartimento DISEG

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Context of the research activity	Definition of contents, tools and methods for the methodological setting of a Digital Twin aimed at optimizing the management and maintenance of a hydroelectric plant in Valle d'Aosta.

Objectives	Context: interoperability between Building Information Modelling (BIM) and Visual Programming Language (VPL) to optimize heterogeneous data management of the complex Hydroelectric plant of CVA (Compagnia Valdostana delle Acque – Compagnie Valdôtaine des Eaux S.p.A.). Activity: identification of the right contents for a Digital Twin BIM-based.

Skills and competencies for the development of the activity	BIM and VPL modelling