Abstract: This Whitepaper follows "Construction Engineering: Reinvigorating the Discipline" (Howell, Ballard & Tommelein 2010). That paper argued that a new flow-based "operating system" was poised to replace the activity-centered operating system of traditional project management and that a coherent organizational and contractual approach would evolve (Thomsen et al, 2009). Shifting to new operating system based on the theory, principles and practices of production system design will deliver more value to clients and other participants, reduce waste, and spur learning and innovation. After a reflection on a model for making sense, the paper explores the consequences of this shift from a number of perspectives and speculates on the impact on practice and research. The paper closes with a brief reflection on teaching in times of rapid change.