

# Architecture of Complex Systems

## *TA Project Evaluation: Touring Motorcycle*

### WEEK 5: SYSTEM ARCHITECT

#### Step 1: Architectural Representation

*Does the submission depict a system architecture representation that includes a mapping of form, function, and their relationships?*

**Points: 2**

The architectural representation makes several assumptions about the scope of the system (product-system boundary) but the connections shown in the diagram are consistent. Both form and function are depicted along with the appropriate connections/relationships. Three functions (maintenance, communication, and fueling) are not connected to the formal structure and have an unclear relationship to the rest of the system, so this step does not receive a full score.

#### Step 2: Sources of Ambiguity

*Does the submission present five or more sources of ambiguity (and/or open questions) and their respective data, analysis or representation that can be accomplished by the architect to reduce such source ambiguity? Is one or more type of ambiguity assigned to the source of ambiguity?*

**Points: 3**

Five sources of ambiguity are presented with methods for ambiguity reduction clearly indicated. The types of ambiguity are appropriate for the corresponding sources of ambiguity. There are many other sources of ambiguity that could have been selected based on the diverse use cases of a touring motorcycle, but these five are sufficient for full points based on the rubric.

#### Step 3: Deliverables of the Architect

*Does the submission present the list of deliverables of the architect with all elements marked complete or missing?*

**Points: 3**

All 8 of the required elements are marked complete or not-yet-produced.