As a creative industry, architecture has been considerably slow in embracing the era of open innovation. This is due to the insularity of the famous architect Frank Lloyd Wright. The Frank Lloyd Wright Trust (FLWT) is heavily dependent on donations and its major source of income are from providing tours and workshops to visitors, as well as architectural preservation services. While one of the missions of the Trust is to engage the public, its current form of engagement is still a closed-innovation model. The new model proposes to change the existing organization to an open-source innovation ecosystem that plays 5 main roles.

1. **FLWT cloud**
   - Use the algorithm to analyze existing data of visitors and architectural buildings to recommend interesting activities and 3D-printing factual data of building.
   - Faculate open innovation platforms to allow visitors participate in the customization of their design by combining their own ideas and data analysis of existing FLWT buildings.
   - Process data obtained in an analysis that could be accessed by both research centers, educational institutions, and architectural firms.

2. **FLWT match**
   - Collaborate with existing manufacturers and incubate new manufacturers to incubate in the adjacent neighborhood such as Oak Park and Hyde Park.
   - Match requirement for maker space with local community-organized education programs such as Rebuild in southern Chicago. Provide correspondingly stipend to residents in those communities (which are usually lower-income) and help the community benefit from the existing innovation.
   - Allow participants realize concepts, manufacturing and even commodification of their own design. This could be artworks, sculpture, furniture etc, making the model both socially and economically sustainable.
   - Match selected craftspeople with incubators and investors for potential mass production and commodification in local communities.
   - Provide consulting services to visitors who are interested in bringing FLWT design DNA into their house. Match visitors with architectural students to offer students chance to practice and internship through taking on the design cases.

3. **FLWT go**
   - Provide transparent prediction analysis on tourist number, design preference, manufacturing trends, and real estate expansion/exploitation of the associated neighborhoods.
   - Scouting: the scalability of the model lies on three levels.
     - **Demonstrable level**
       - Offer opportunity of selling visitors’ products to local residents through taking on the design cases.
       - Provide consolidated prediction analysis on tourists number, design preferences, manufacturing trends, and real-estate expansion/exploitation of the associated neighborhoods.
     - **Networked level**
       - Collaborate with existing makerspaces and incubate new makerspace incubation.
       - Provide required the skills for makerspace staff with local community vocational education programs such as ‘REBUILD’ in southern Chicago.
       - Match required skills for maker space with local community-organized education programs such as ‘REBUILD’ in southern Chicago.
     - **Physical level**
       - Lab field for new manufacturing technologies/equipments to test their product usabilities and customer feedbacks.
       - Donor board and its major sources of income are from providing tours and workshops to visitors, as well as architectural preservation services.

**Scalability**

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