

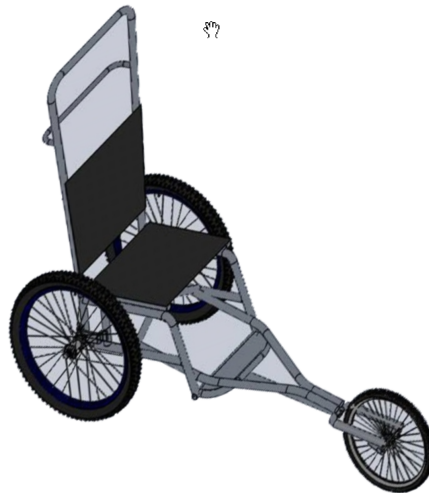
5.2 Description of the innovation/ commercialization potential of the proposed solutions

5.2.1. State of the art in the area under consideration

The need to play sports revealed in the work - running with a passively participating (accompanying) person is currently implemented by alternative and imperfect solutions, including Hoyt constructions. The basic structure of this company is a three-wheeled structure, in which the front wheel was much smaller in diameter. Due to the shape of the seat, the passenger must be fastened with a seat belt, because there is a probability that while negotiating obstacles on the route, he could fall out of the wheelchair. Similar design solutions were used by the Mondrup twins. Using the solutions proposed by Dick Hoyt, Mondrup developed the stroller with which he wanted to run a marathon during the Ironman competition. Characteristic,

5.2.2. The essence of the proposed idea

The constructed stroller meets the basic assumption which was to improve the ergonomics of its users and to reduce the rolling resistance while running. The main innovative features include: (1) a rigid frame that allows you to attach forks with different wheel diameters, (...)



Picture nr 3. 1 Model of the trolley

Source: own project

5.2.3. Characteristic features of the proposed solution

A characteristic (innovative) feature of the proposed solution is the use of a rigid Y-shaped frame in the trolley structure, in such a way that the landing, for the passenger's legs, is within $\frac{1}{2}$ of the frame length, while (...)

5.2.4. Brief description of innovation

Text and short description of the essence of the proposed idea.

The stroller is characterized by the fact that the adjustable suspension of the stroller is in the form of a frame (...)