



ILY-Ai Fact Sheet

The ILY-Ai (Innovative Life for You – Active Intelligent) is the world’s first multi-functional, electric, intelligent personal mobility vehicle (PMV). The prototype is a three-wheeled PMV intended for the connected smart mobility society of the near future. With built-in intelligent safety based on robotics technology that prevents it from colliding with people or things, ILY-Ai can be configured in four modes to serve the needs of the rider: carry, kick-scooter, cart and vehicle mode. Using advanced Aisin Group connectivity technology, ILY-Ai becomes a personal assistant to its owner.

- **Why Personal Mobility?** Today’s urban centers present numerous mobility challenges. Not practical for full time automobile ownership, but distances can be too great for the convenience of walking, especially if transporting small items. Personal mobility, as defined by Aisin, is a vehicle for single person use. It is a solution for a city dweller that must walk between public transit centers – one-mile-mobility – as it’s called in Japan.
- **First Generation** – The first generation ILY-A was conceived and developed jointly by Aisin Seiki and the Future Robotics Technical Center located on the Tsudanuma campus of the Chiba Institute of Technology in 2014, and it was first unveiled in Tokyo in 2015.
- **Second Generation** – ILY-Ai is the second generation PMV, developed exclusively by Aisin Seiki over a period of one year. Further development focuses on light-weighting, ease of transforming from one mode to another, increased application of intelligent technologies, such as human-machine interface, and using as much Aisin Group technology as possible, including automotive technologies such as body parts and powertrain.
- **Date to Market** – It is anticipated that ILY-Ai will be available by 2020 in time for the Tokyo Summer Olympics.
- **Target Market** – Everyone can benefit from the ILY-Ai, but a main target market is active adults 60 years of age or older. ILY-Ai allows this age group to maintain greater independence and mobility, promoting longer life and safety.
- **Cost** – It is anticipated that the cost will remain less than \$2,000 (U.S.)



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- **Power Source** – Currently, a rechargeable lithium-ion battery powers ILY-Ai.
- **Battery Charging** – The current, prototype version uses a removable battery that is recharged in a charging station.
- **Speed** – ILY-Ai is designed to reach a top speed of 10 km/h, or 6.2 mph, slightly faster than walking, but safe for adults. Target distance of travel before it needs recharging is 20 Km (12 mi.)
- **Access** – Aisin Group is currently exploring legal and traffic situations in various global areas, and will debut ILY-Ai in an area with the broadest scope of use.
- **Weight** – The target weight is less than 20 Kg (approximately 44 lbs.)
- **Capacity** – As a prototype, load capacity for objects is still being evaluated, considering the average need for transporting items such as shopping bags to small boxes.

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