

## Access provider – FhG-IIS

### Select access type - System Integration

**Access description:** L.I.N.K. Test and Application Centre for Characterisation of EH sources, generators & systems on vehicles and large machinery

With access to a one-of-a-kind testing infrastructure we can offer you an environment for developing and testing new energy harvesting applications. There is a large building and also an outdoor area (with own track and containers) for testing new energy harvesting technologies on large objects and vehicles.



### Technical offering

- Measurement and recording of light, thermal gradients, vibration in any kind of larger objects (like vehicles, machinery, persons, etc.)
- Measurement and recording of power output of any kind of energy harvesting systems at larger objects (like solar cells, thermoelectric generators, vibration harvesters) in working environment

### Main equipment

- The Test and Application Center L.I.N.K. offers the ideal combination of technical environment and true-to-life application-oriented test conditions to evaluate technologies and novel services.
- The test center has an indoor area of 1,400 m<sup>2</sup> and an outdoor space of 10,000 m<sup>2</sup> with a circuit for trucks and a 100 m long test road.
- This facility enables the set-up and testing of real world IoT applications even at huge form factor objects like large machineries, engines, vehicles, trucks and freight containers in indoor or outdoor environments.
- The building itself offers the possibility to test home automation and structural health monitoring scenarios with IoT devices.
- The facility offers also the possibility to characterize and evaluate self-powered tracking systems for indoor and outdoor environments.

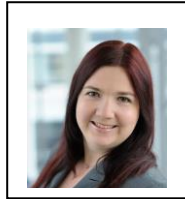
### Typical applications



Characterization of vibrations on a car or truck while moving along the test track. Investigation of thermal gradients can run on a machine in real-life conditions.

## Case study

### Responsible

Jasmin Specht



		
<b>Testing Building</b>		<b>Truck</b>
<b>Keys specifications</b>		
<ul style="list-style-type: none"><li>• Indoor area of 1,400 m<sup>2</sup></li><li>• Surrounding gallery for the attachment of wireless systems</li><li>• Complete IT infrastructure</li><li>•</li></ul>	<ul style="list-style-type: none"><li>• 10,000 m<sup>2</sup> of space outside</li><li>• 100 meter test run</li><li>•</li></ul>	<ul style="list-style-type: none"><li>• Truck with different containers</li><li>• Loading rams</li><li>•</li></ul>