

# Solar Elements Living Laboratory (SELL)

## ECN

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## What is SELL?

SELL is an open and living laboratory to realize products that integrate solar elements into the daily environment. For example:

- Solar building skins;
- Solar roof tiles;
- floating solar panels;
- solar noise barriers along roads;
- and even solar roads!

Think of it as a playground equipped with tools and experts to help design, prototype, and test integrated solar products of all sizes, shapes, colours and applications.

## Why ECN?

- Market and end-user focused
- Dutch Design for PV integrated PV elements
- Expertise in c-Si and thin film, performance and cost
- Expansive global network of PV manufacturers, designers, building companies

## ECN Offers

A four step development of custom integrated PV products from idea to market. Together with the customer we will:

1. **Specify** the specific design constraints of the manufacturer, customer, and user.
2. **Design** the product for best performance, cost, and aesthetics based on expert experience and ECN modelling.
3. **Build** a prototype product to address issues of manufacturing, materials, and PV element durability.
4. **Validate** the prototype in the laboratory and the relevant environment for technical and non-technical success. Open to customers and users for feedback and improvement of design aspects.

These four steps are available as a complete package or catered to the customer needs.

