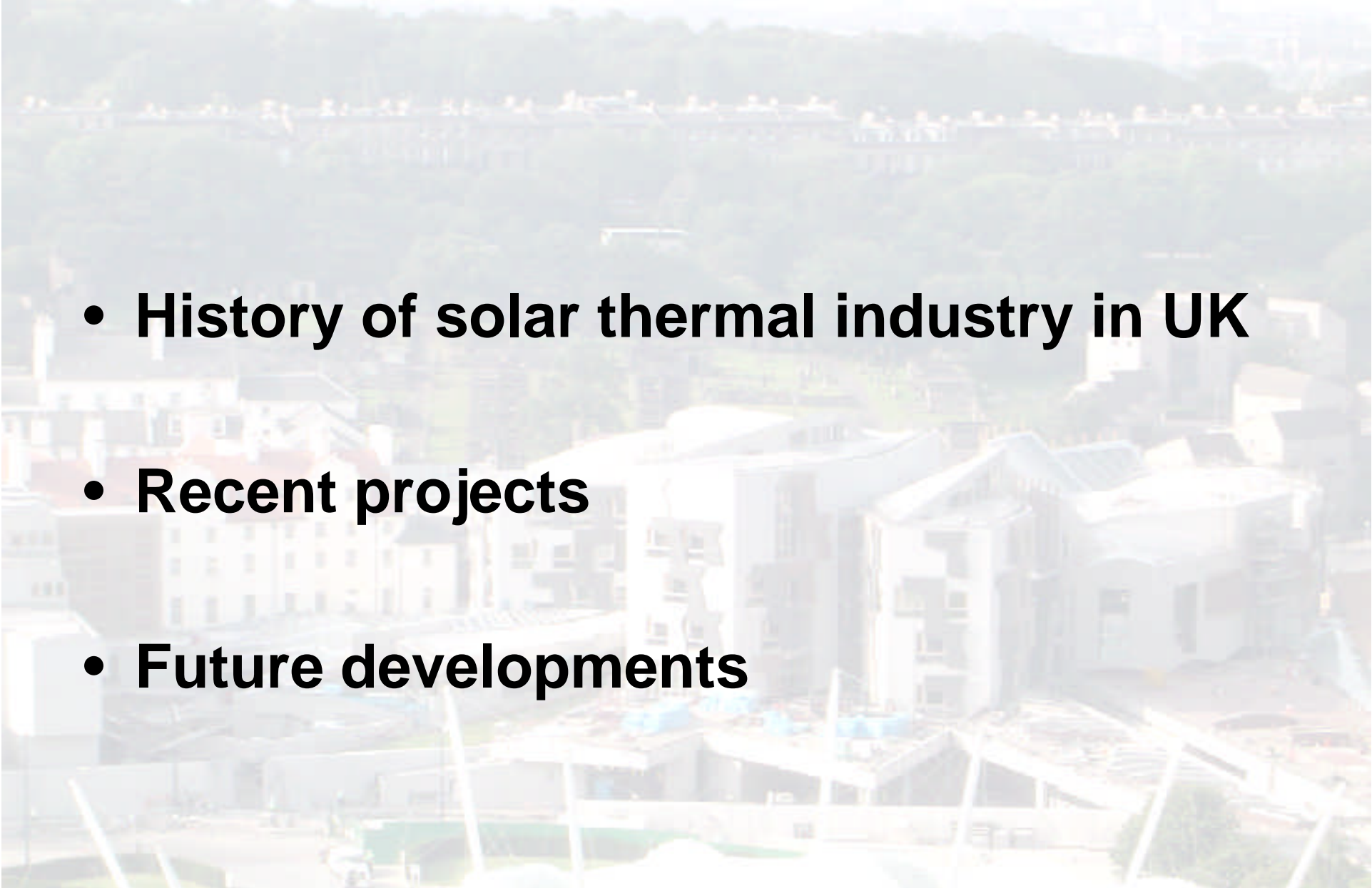


# **Solar Thermal Energy**

**“From Technology to Lifestyle”**

**George Goudsmit**  
**AES Ltd**

- 
- A faded background image showing a large residential development with multiple buildings. Many of the buildings have solar panels installed on their roofs. The development is set against a backdrop of green hills and a city skyline in the distance.
- **History of solar thermal industry in UK**
  - **Recent projects**
  - **Future developments**

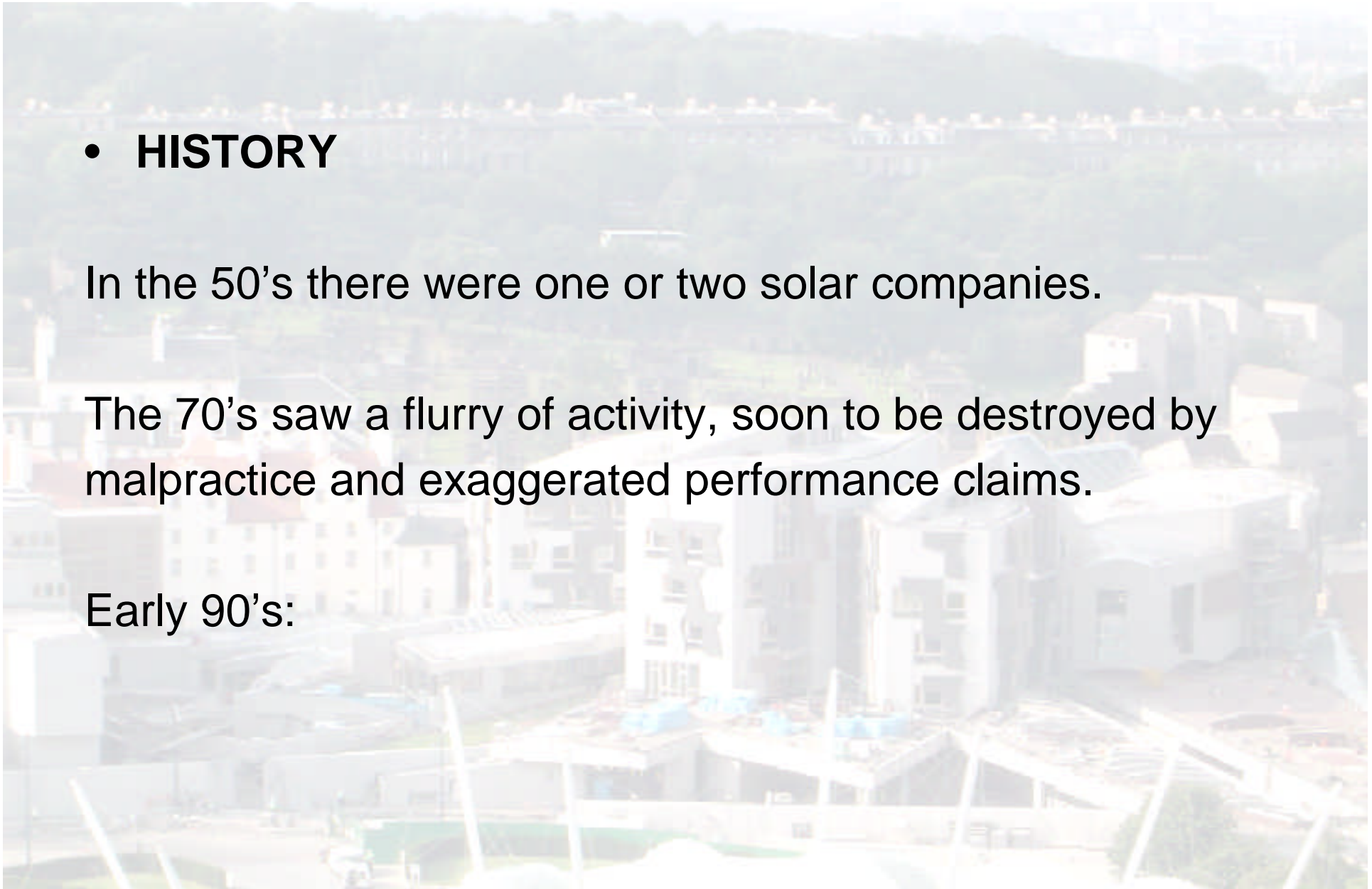


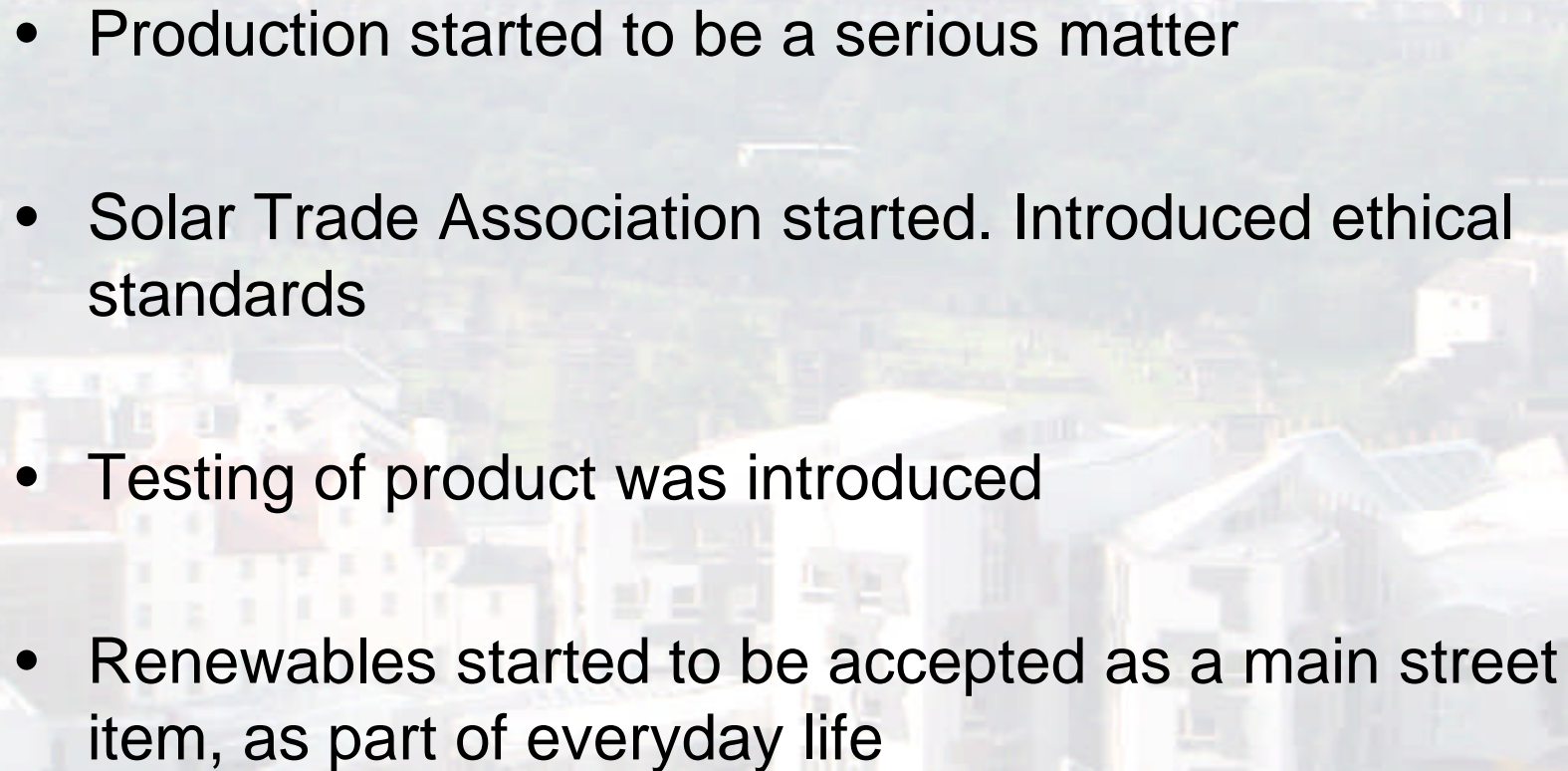
- **HISTORY**

In the 50's there were one or two solar companies.

The 70's saw a flurry of activity, soon to be destroyed by malpractice and exaggerated performance claims.

Early 90's:

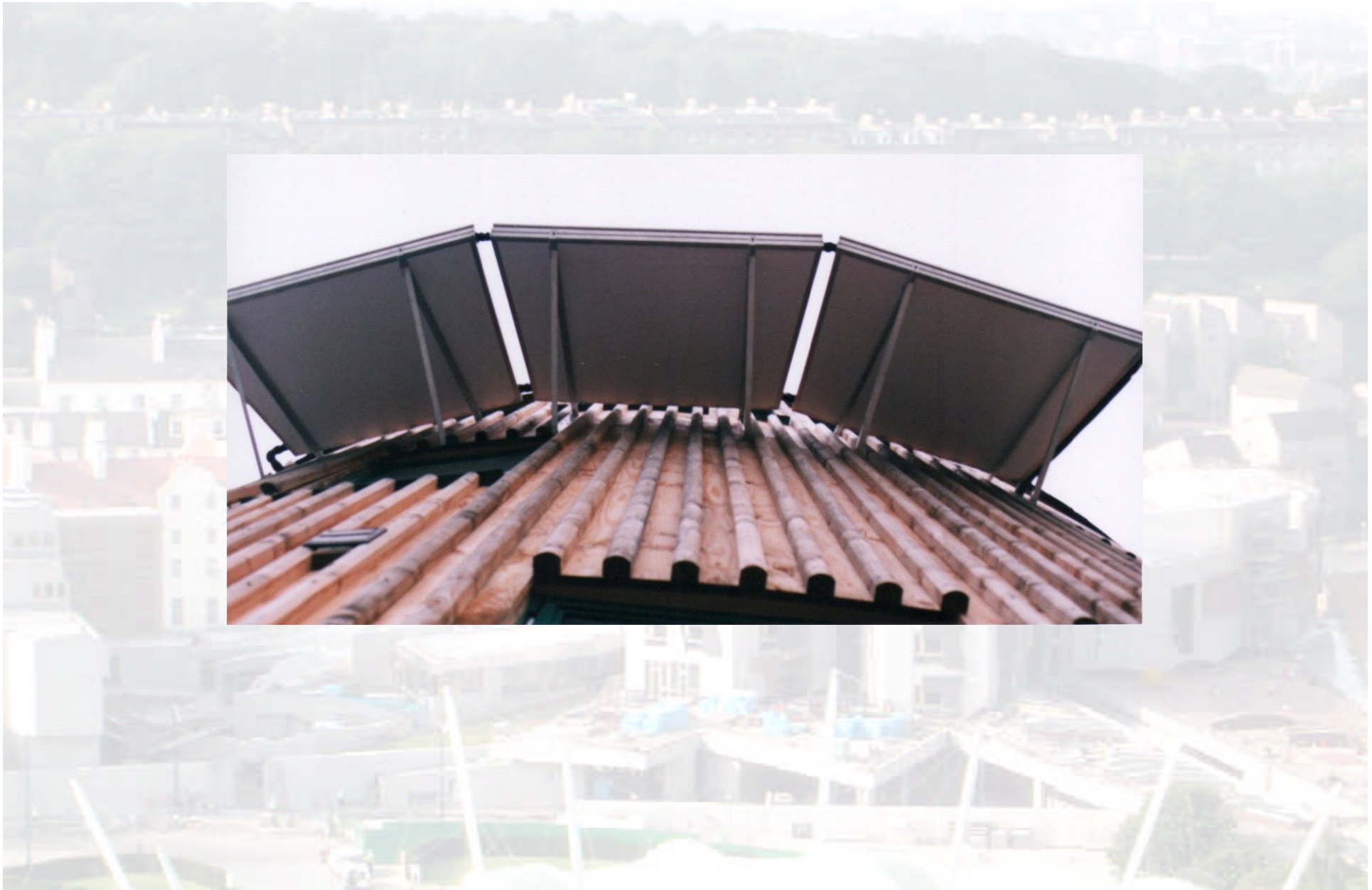


- 
- The background of the slide is a faded, high-angle photograph of a residential neighborhood. In the foreground, several houses have solar panels installed on their roofs. The houses are multi-story buildings with light-colored facades. In the background, there are rolling hills and a city skyline under a hazy sky.
- Production started to be a serious matter
  - Solar Trade Association started. Introduced ethical standards
  - Testing of product was introduced
  - Renewables started to be accepted as a main street item, as part of everyday life



**3 SQUARE METRE DOMESTIC SOLAR  
WATER HEATING SYSTEM**









# Edinburgh Housing Co-operative Case Study

UK's Original Solar System Manufacturer Based in Scotland

## Project Overview

Funded by the Renewable Heritage Project this pioneering project installed solar water heating panels on the roofs of seven B-listed Georgian tenements in a part of Edinburgh that is both a Conservation Area and World Heritage Site. Jenny Lewis, Chair of Lister Housing Co-operative commented:

*"This project will help reduce our tenant's fuel consumption, save carbon and support Scottish jobs, without in any way jeopardising our B-listed Georgian tenements – it's a win-win solution".*



## Technical Overview

|                         |                                 |
|-------------------------|---------------------------------|
| Client                  | Environment Agency              |
| Array Size              | 165 m <sup>2</sup>              |
| Performance             | 74,520 kWh/year                 |
| CO <sub>2</sub> Savings | 40,017 kg CO <sub>2</sub> /year |



AES offer solar thermal systems to suit any hot water application including single residences, multiple housing projects, swimming pools, apartment and office blocks, hospitals and industrial high volume water users. To discuss your particular requirements contact us on 01309 676911 or [info@aessolar.co.uk](mailto:info@aessolar.co.uk)

Visit [www.aessolar.co.uk](http://www.aessolar.co.uk) for further information on our products and services.



## **FUTURE**

- Larger systems
- Improved collectors
- More training of installation technicians
- More certifications, e.g. ISO 140001
- AND.....

## FUTURE

The AES / Waterevolution **DELTA E**

Harnessing solar energy, recovering heat, harnessing *and* recycling water



**THANK YOU**

**FOR YOUR INTEREST**