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The areas of occupation of Solarion GmbH, which was founded in April of 2000, are the development, production, and marketing of flexible thin film solar cells. The basis is a new technology for the production of the high-absorbing CIS semiconductor compound.

The flexible CIS solar cells are:

+ ultra light and super thin

A layer thickness of the CIS absorber of 1/1000 mm in the solar cell is sufficient for the almost complete absorption of sunlight. This layer applied to an already thin polymer foil leads to unparalleled product advantages.

+ flexible

The solar cells can be rolled like a piece of paper. They are therefore especially adapted to applications on curved surfaces.

+ efficient

The efficiency of the flexible solar cells in the pilot production phase is > 8%. This favorable absorption allows many indoor and outdoor applications.

+ cost reducing

Production in a continuous roll to roll process allows significant cost reductions as compared to conventional production methods.