



薄膜太陽電池に関する考察

EuPD Research
Daniela Schreiber

2009年7月

弊社について

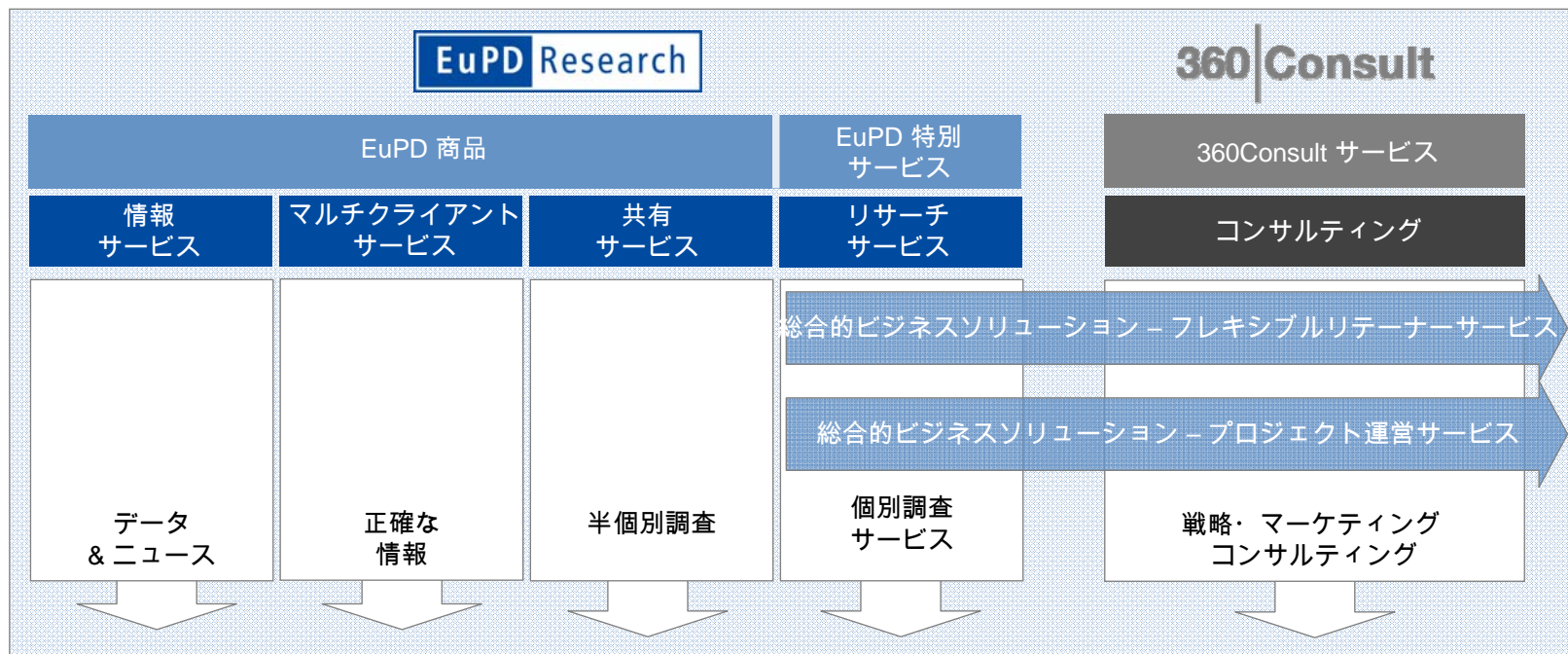
太陽電池ビジネスのソリューション: 細密な調査とコンサルティング

EuPD Research

EuPD Researchは、B2B市場調査を専門とするグローバル企業です。信頼性の高い調査で、貴社の持続力強化のお手伝いをいたします。

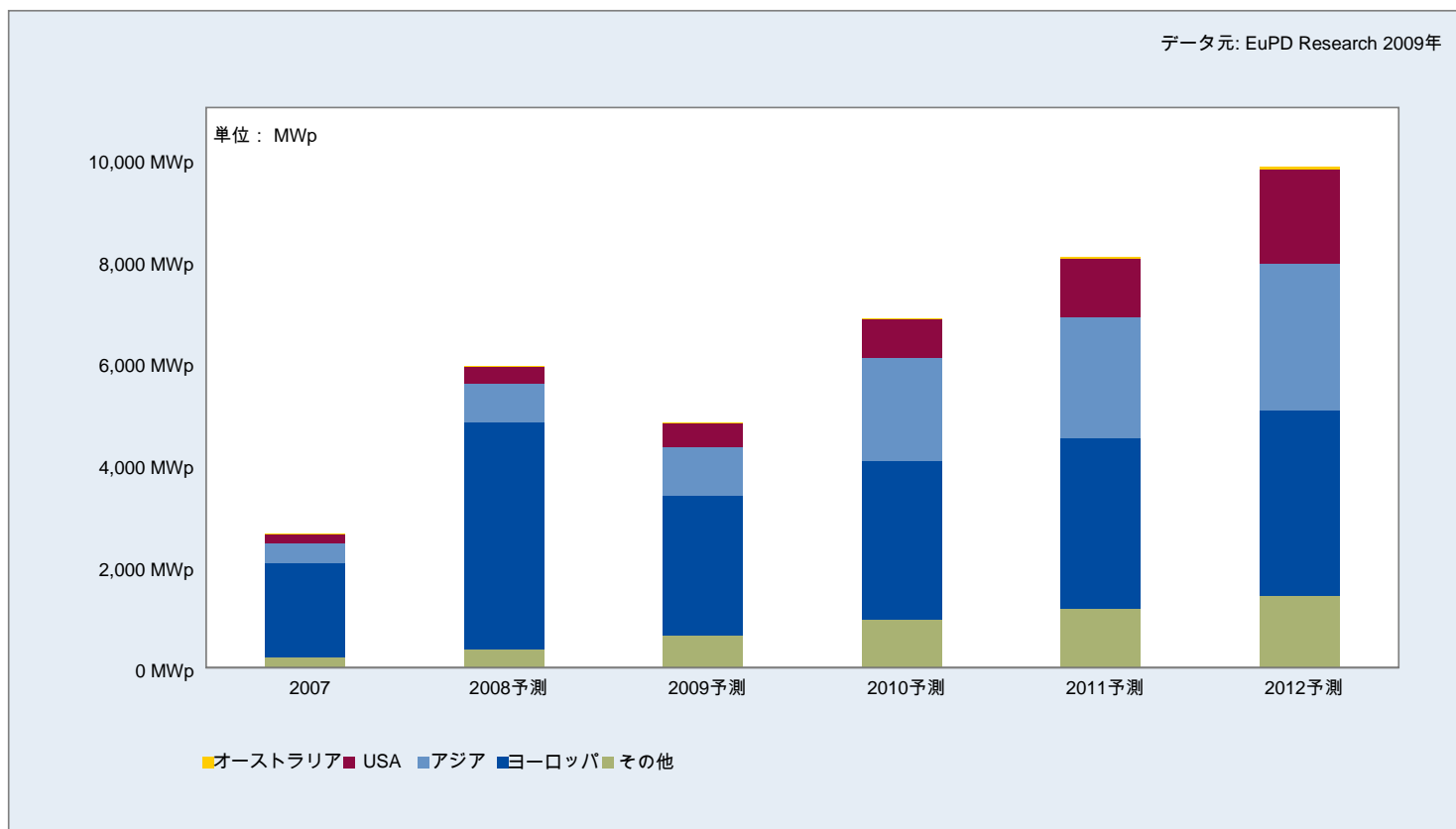
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薄膜太陽電池 – 考察

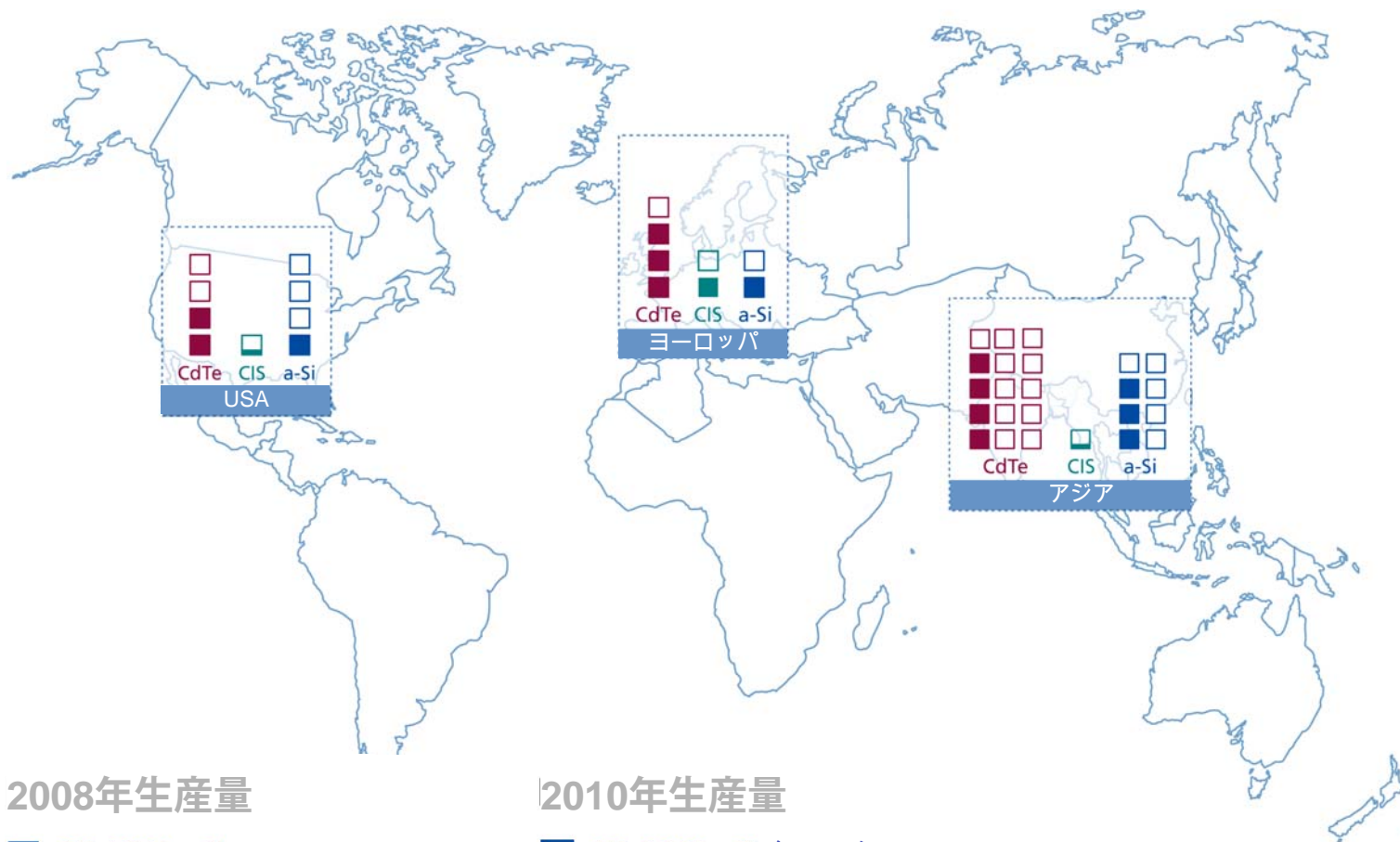
需要の増加：世界の太陽電池市場



欧州外各国において急速な成長が見られる。一方、ヨーロッパ全体の市場は引き続き重要な地位を占めることが予測される。

データ元: 薄膜太陽電池産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

2008年・2010年 薄膜太陽電池生産量



2008年生産量

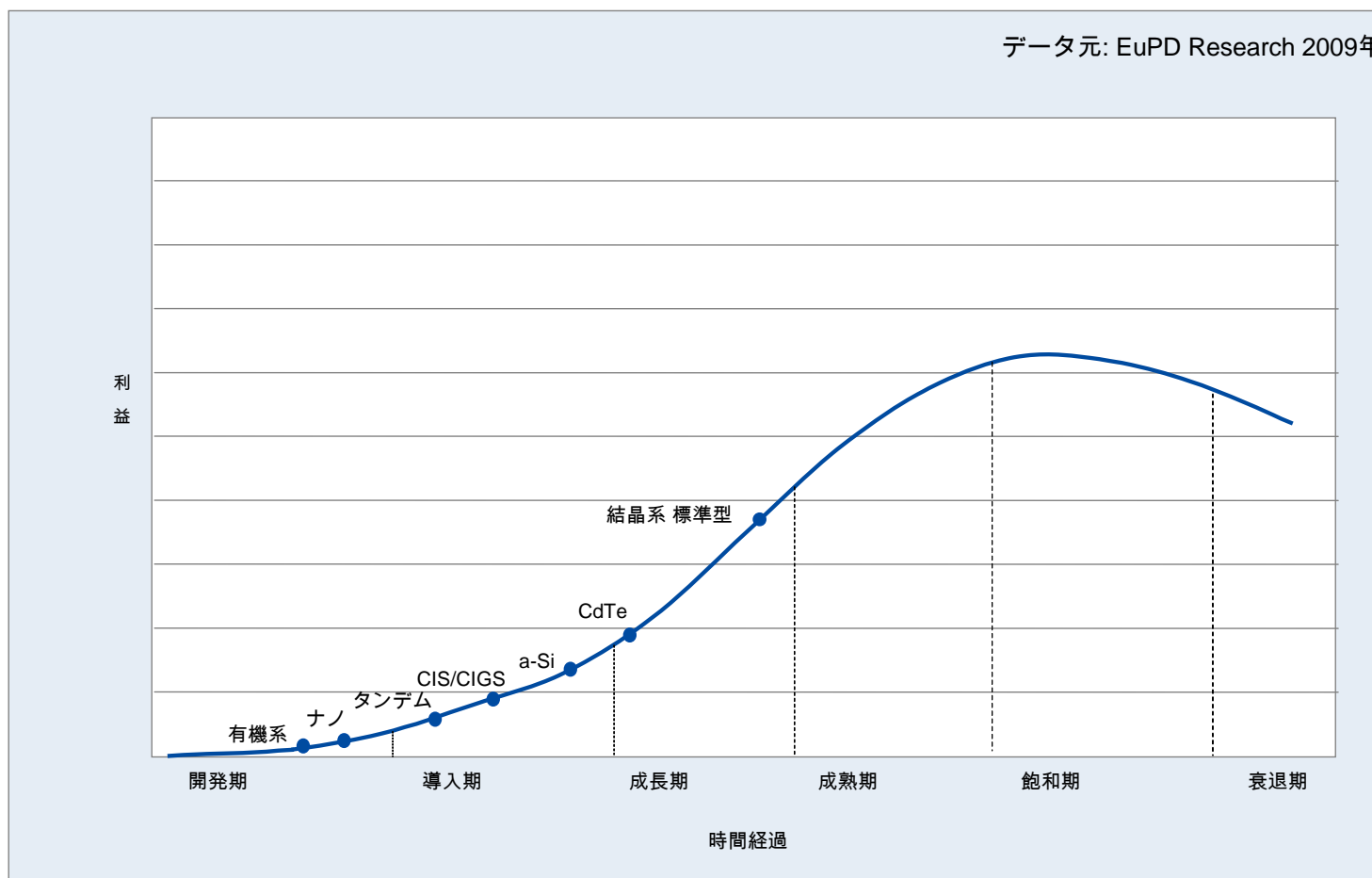
- 50 MW a-Si/タンデム
- 50 MW CdTe
- 50 MW CIS/CIGS

2010年生産量

- 50 MW a-Si/タンデム
- 50 MW CdTe
- 50 MW CIS/CIGS

データ元: 薄膜太陽電池産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

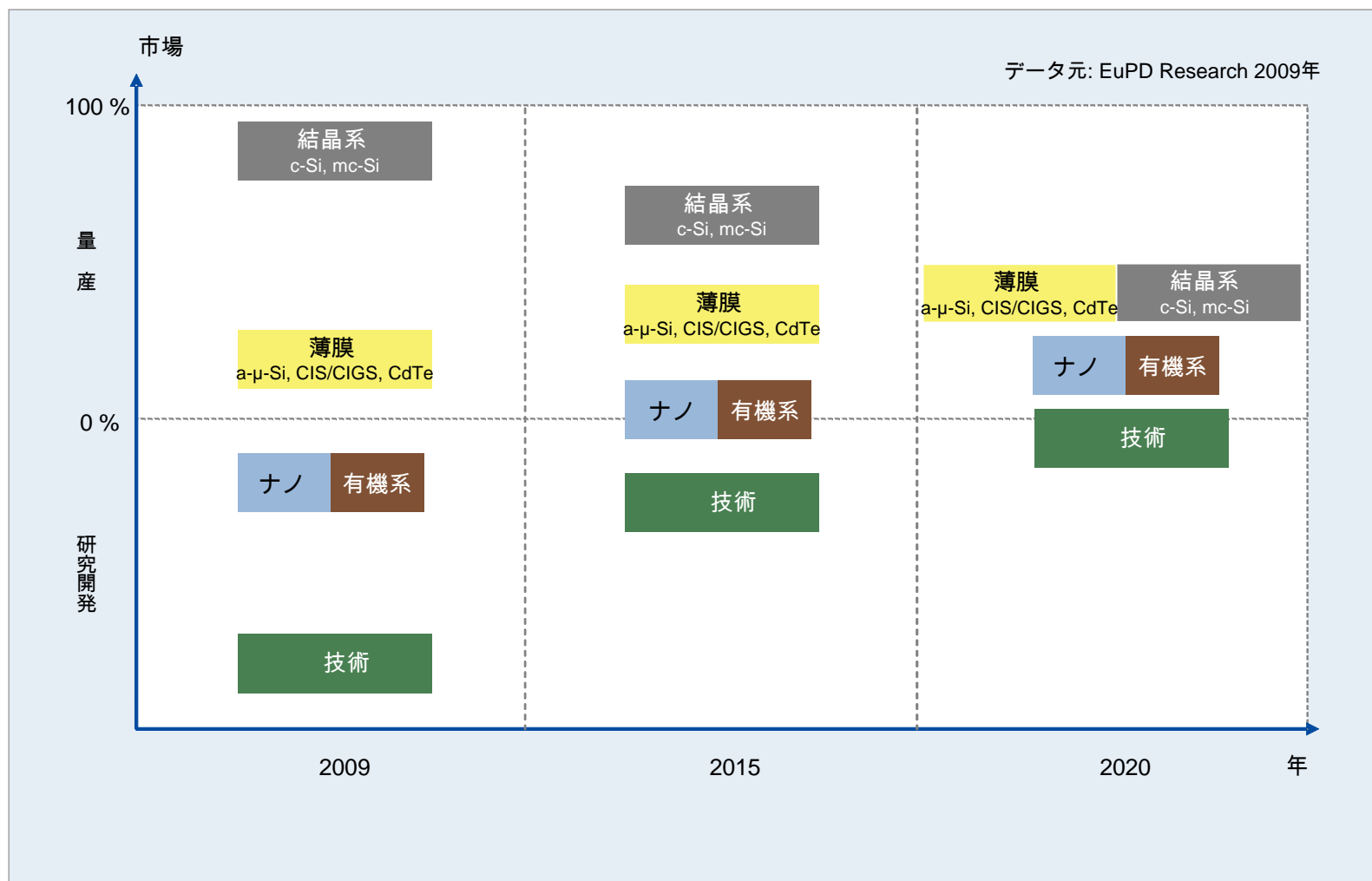
太陽電池製品のライフサイクル - 2008年



各種太陽電池技術は同一のライフサイクルカーブ上の異なるステージにある。

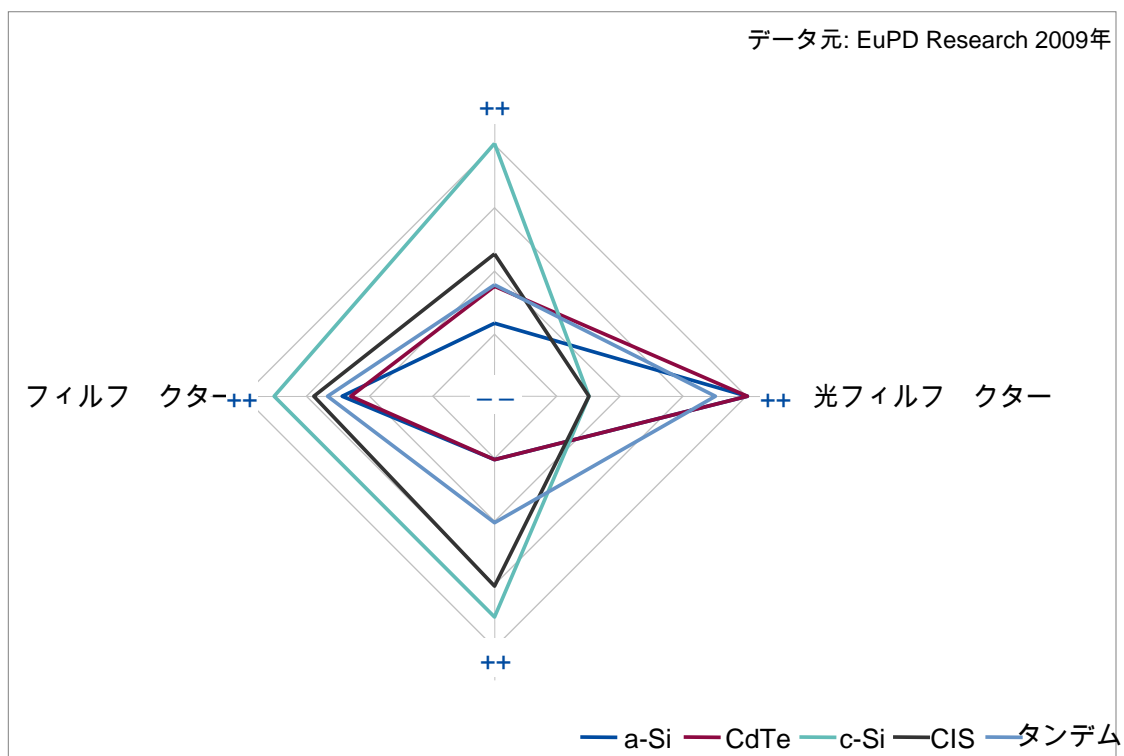
データ元: 薄膜太陽光産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

太陽電池技術の



データ元: 薄膜太陽光産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

薄膜太陽電池技術の特性



の性能がすに、各薄膜太陽電池技術にはその力においてそれの特性がある。

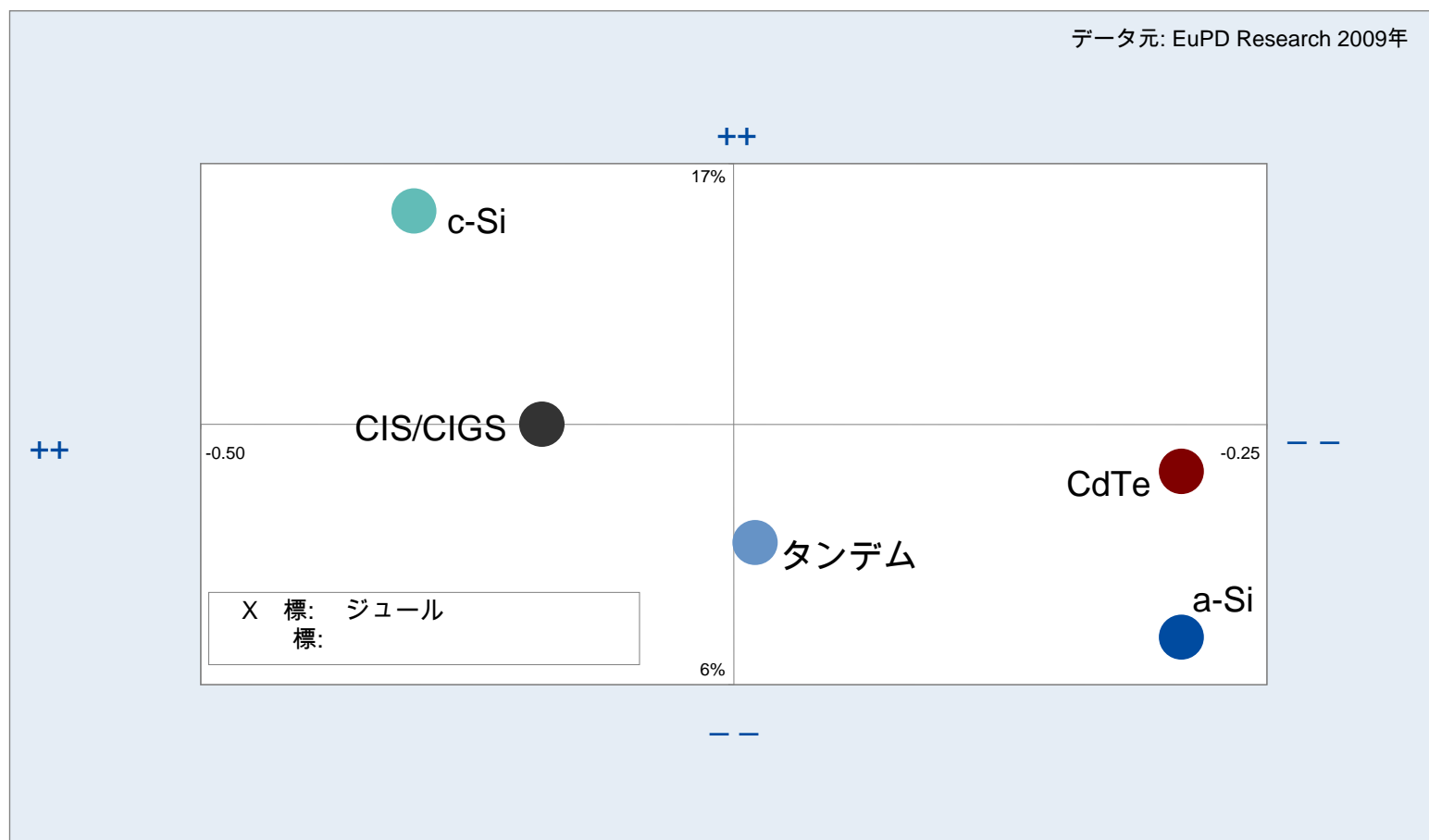
エネルギー : 太陽光を電
する合

フィルドクター : 半導体の、太陽光に
って生成された電キリアの伝

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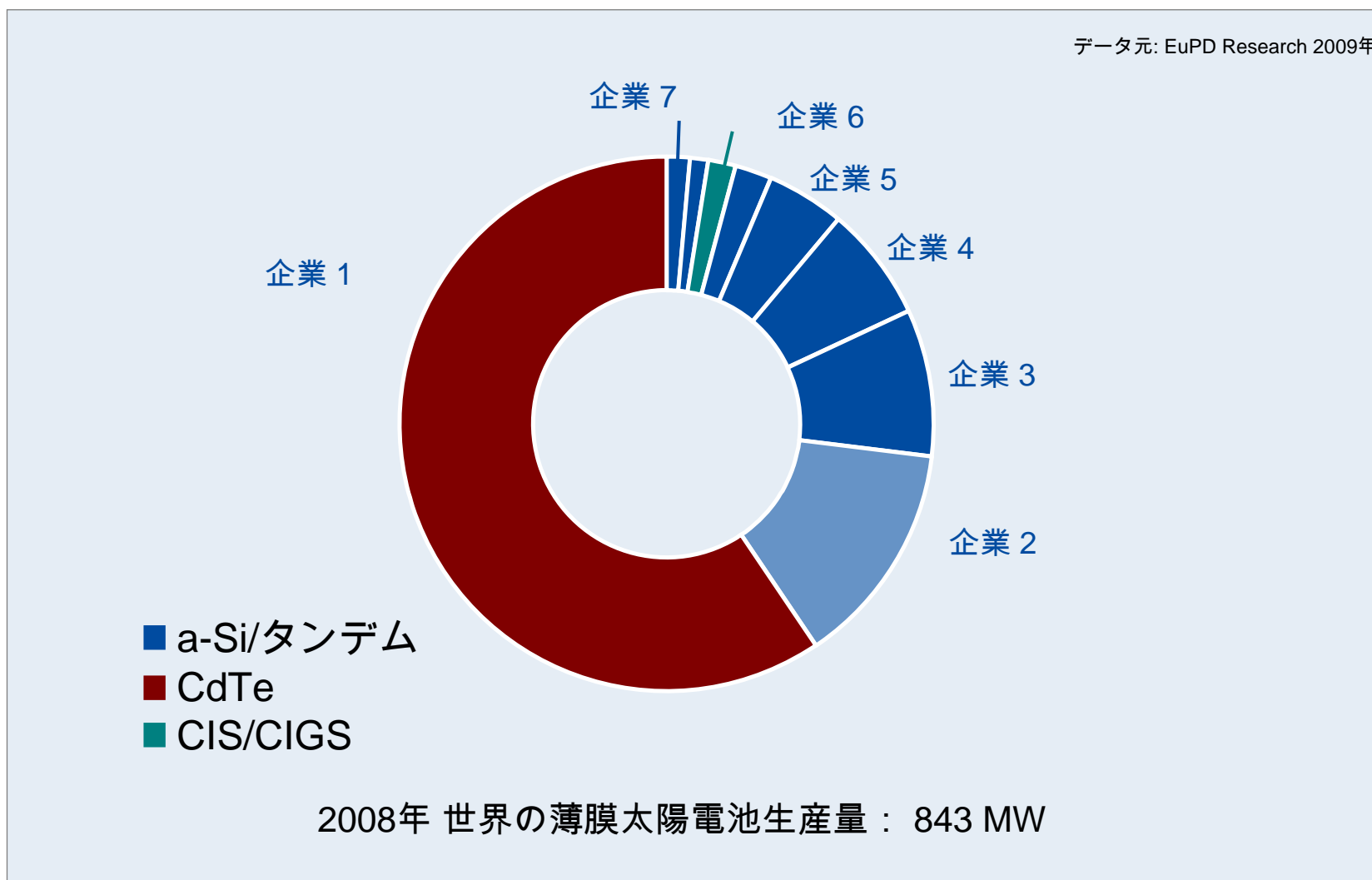
データ元: 薄膜太陽光産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

要薄膜技術 性 マトリクス



データ元: 薄膜太陽光産業ガイドブック 2009 PV Thin Film Industry Guidebook 2009

2008年 世界市場



We are looking forward to seeing you in September
at the Thin Film Solar Business Summit Japan.

For more information please visit:

http://www.eupd-research.com/thinfilm_japan/

About EuPD Research

Company Profile

EuPD Research is an international market research institute headquartered in Bonn, Germany. In addition to activities in the finance and health sector, EuPD Research is specialized in the energy sector with particular focus on PV. With our qualified multilingual interviewer center and profound market knowledge combined with methodological professionalism, we offer our clients in Germany, Europe, Asia and America the entire range of qualitative and quantitative market research. Our areas of expertise include:

- Market analyses
- Situation analyses
- Competition analyses
- Image analyses
- Management analyses
- Network analyses
- Price analyses
- Customer and employee satisfaction analyses

Our most important research methods are:

- Ad hoc surveys
- CATI interviews
- Face to face interviews
- Semi-structured interviews
- Group discussions
- Desk research

After the foundation in 2000, the focus of EuPD Research was on market and management analyses within the German market and the development of new methods and contents. Since that time renewable energy industry – with special regard to PV – has become the most important focus area, mainly set against the background of the current and future importance of this economic sector. In the course of time we were able to extend our clientele and service portfolio and to widen our knowledge systematically to other European countries and towards international relations and networking. To satisfy increasing international demand in the industry, the US branch of EuPD Research was founded in Kansas City in 2008.

EuPD Research in Figures

Principal Office	Bonn (NRW/Germany)
CEO	Markus A.W. Hoehner
Founded	11/24/2000
Legal Status	HOEHNER RESEARCH & CONSULTING GROUP GmbH
Employees	55 permanent employees/ 30 freelancers
% of Graduates	90% (50% social scientists, 35% economists, 15% others)
Interview Center	60 employees
Core Areas	Energy & Utilities, Pharmacy & HealthCare, Economics & Financial Research, Management & Controlling
Special Fields	Renewable energies, automotive sector, emissions trading, innovation management, health management
Membership	EuPD Research is a member of ESOMAR World Research

Contact

Daniela Schreiber – SHORT CV 2009

Daniela Schreiber is Head of Strategic Operations of the leading solar research institute EuPD Research located in Bonn and Kansas. During the last four years she was involved in numerous research projects and has gained profound experiences in worldwide PV markets.

EuPD Research conducted in total more than 300 projects in the field of PV globally and is well-known for profound international PV market analyses for governments, investors, associations and companies. Thus, it provides future-oriented solutions for the whole market and its players. Core countries of expertise are the German PV market, Spanish, Italian, French, Greek and the US market.

She holds a Masters Degree in Communication Science and Economics and studied at the University of California Berkeley as well as at the London School of Economics and Political Science.

Details of Author and Presenter:

EuPD Research

Daniela Schreiber

Head of Strategic Operations

Tel. +49 (0) 228-971 43-52

Fax: +49 (0) 228 – 97143 -11

E-mail: d.schreiber@eupd-research.com



Content and Approach of the PV Thin Film Industry Guidebook

All you need to know for successful action in thin film markets

Understand all aspects of the thin film industry: technology portfolio, equipment and material supply, manufacturers and market entrants, distribution channels and sales markets. Beside the thorough analysis, decisive strategy implications for companies and investors are given.

Reliability for Actors – Not Wishful Thinking for Investors

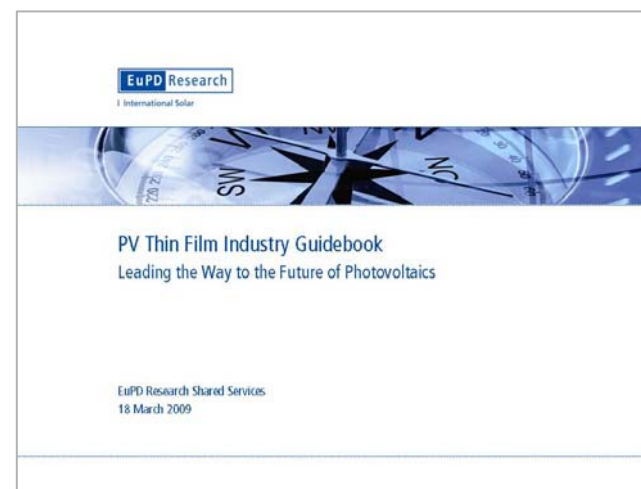
Like all EuPD Research reports, the Thin Film Guidebook is committed to trustworthy and independent market assessments. Reliable analysis is guaranteed through the employment of a multi-information source approach and based on the strong solar market background of EuPD Research.

Multi-Information Source Approach

Beside the annual thin film manufacturer survey, the study draws on the extensive EuPD Research Database. Content from more than ten studies and surveys were examined in the Thin Film Guidebook. Furthermore, constant exchange with industry players, investors and research institutes enhances the reliability of the provided analysis.

Extra: Country and Company Profile Sheets

Complementing the thorough analysis about the future development of the thin film industry, profile sheets of the most important companies and national markets round out the report.



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Editorial

EuPD Research

Adenauerallee 134

53113 Bonn

Telephone +49 (0) 228-971 43-0

Fax +49 (0) 228-971 43-11

welcome@eupd-research.com

<http://www.eupd-research.com>

<http://shop.eupd-research.com/>

Contact

Daniela Schreiber

Head of Strategic Operations

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