

Welcome to the Webinar

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Presentations of the Webinar:

- All presentations are available for download on the VEPG website: www.vepg.vn
- (A Vietnamese translation will follow within a few days)



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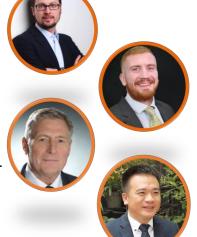
Welcome to the Webinar – Our Speakers and Experts

Rainer Brohm, on behalf of GIZ Energy Support Programme

Ross Macleod, Senior Associate, Asia Counsel

Mathias G. Kothe, Managing Director, Syntegra Solar Intern.

Tran Viet Nguyen, Dep. Director, EVN Business Department

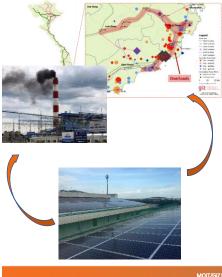


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Key Solution for Viet Nam



Rooftop Solar for Viet Nam:

- Need for more <u>distributed renewable</u> <u>energy</u>: <u>domestic</u> energy source (energy security!), <u>reliable</u> (forecast), delivering <u>peak demand</u>, CO₂-free (climate change!), close to demand.
- **⇒** Government priority: Rooftop Solar!
- New Rooftop Solar Promotion
 Programme issued (MOIT Decision 2023/QĐ-BCT, July 2019) with strong support from Germany and EU.
- New Solar FIT (PM Dec. 13/2020) opening investor business models for RTS (on-site PPA, leasing etc.).

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Key Solution for Industry and Commerce





Rooftop Solar for Industry

- · Reducing energy costs
- Improving energy security and electricity price predictability
- Greening the product and the value chain
- Contributing to corporate goals (renewable energy share/CO₂ reduction)
- Benefiting from **first-mover advantage** in your industry
- Contributing to Green Building Certificates
- <u>But</u>: Market needs to be developed and high quality established!

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GIZ Support Activities for Rooftop Solar in Viet Nam

Overview: EU/German Support for RTS Development

Key focus: Increase quality of equipment and of installations

- Support to MOIT for **developing the regulatory framework** for RTS (Solar FIT 2 etc.) and **grid connection standards**.
- Development of technical standards and guidelines for RTS equipment, installation and operation.
- Development of a "Certified Solar Installer" curriculum for Technical and Vocational Education and Training (TVET) colleges (in cooperation with GIZ TVET Programme).
- Development of **Viet Nam Solar Quality Passport** for PV systems.



Cat Tuong solar PV system (850 kWp)

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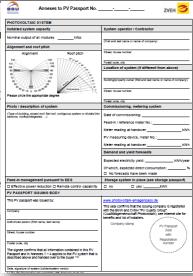
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GIZ Project: DeveloPPP – GIZ/Cat Tuong/Syntegra Solar

Objectives and Activities

- Development of **Investment Guidelines** for Rooftop Solar that will support and guide investors and project developers in the country.
- Technical trainings for installers and technical staff on high-quality solar installation.
- **Strategic cooperation** with vocational colleges in the region (Ninh Thuan and Long An) and close cooperation with GIZ TVET programme.
- Information workshops on Rooftop Solar project development and framework conditions (<u>Upcoming:</u> mid-November 2020 in HCMC)



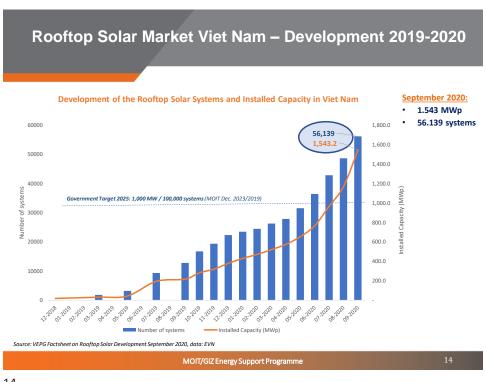


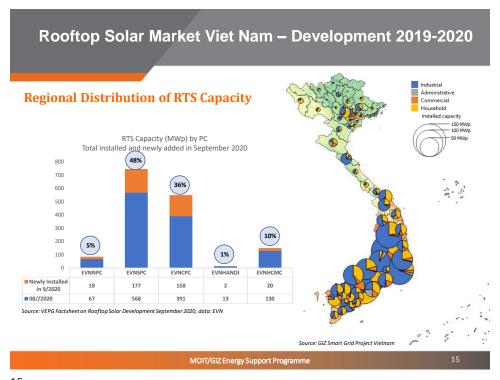


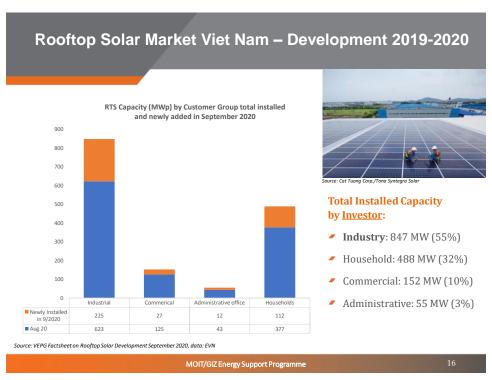
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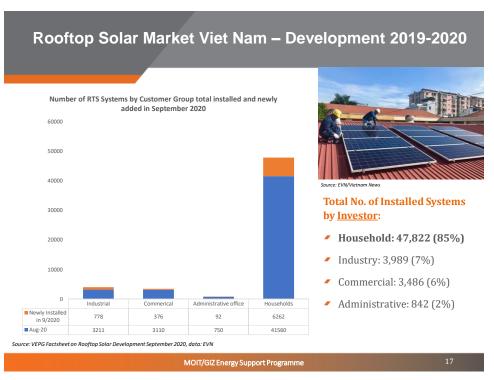
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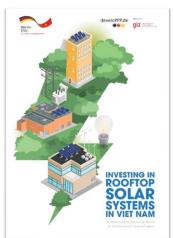




RTS Investment Guidelines – Key Content

Guidance for Investors and Solar Developers:

- Information about the RTS market development in Viet Nam, as well as key policy and legal processes and documents.
- **2. Guidance** on **how to choose** the most appropriate **business model**.
- A step-by-step breakdown of the most critical steps of RTS Project Development Process, plus tools and checklists for easy implementation.
- **4. Practical tips** based on the **experience of companies** in Viet Nam that have developed RTS projects in the past.



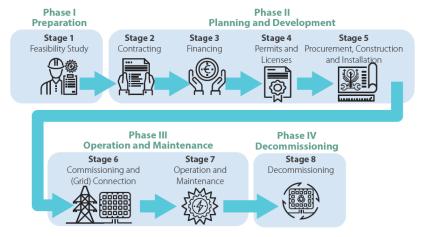
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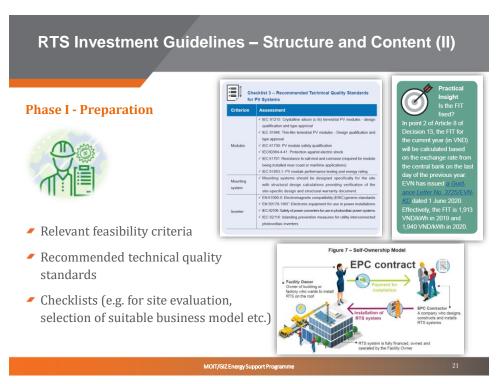
RTS Investment Guidelines – Structure and Content (I)

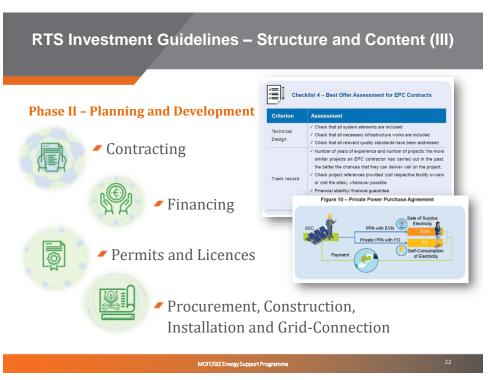
Breakdown of Project Development Cycle

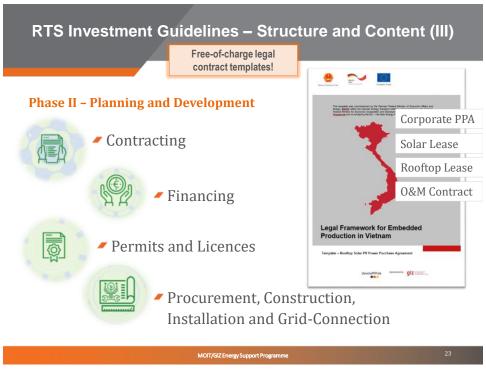


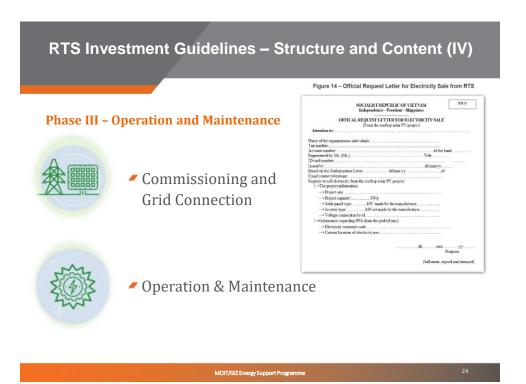
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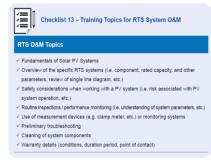


RTS Investment Guidelines - Structure and Content (IV)

Phase III - Operation and Maintenance



Commissioning and Grid Connection





Operation & Maintenance

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RTS Investment Guidelines – Structure and Content (V)

Phase IV - Decommissioning



- Waste Management
- Recycling



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RTS Investment Guidelines - Structure and Content (VI)

References & Hyperlinks

 References and hyperlinks to all relevant documents

4 | Key References **Policy, Law and Regulation Documents** 1. Prime Minister (PM) Decision 11/2017/QĐ-TTg on Promoting Solar Power Development Projects in Viet Nam (Solar FIT 1), dated 11 April 2017 – http://vep.vn/wp-content/uploads/2019/02/Decision-11_2017-of-PM-on-solar-PV-FIT_Eng.pd 2. Prime Minister (PM) Decision 02/2019/QD-TTg amending Decision 11/2017/ QĐ-TTg on Promoting Solar Power Development Projects in Viet Nam, dated 8 January 2019 – http://wepg.vn/legal_doc/pm-decision-no-02-2019-qd-ttg-en/ Ministry of Industry and Trade (MOIT) Circular 16/2017/TT-BCT on Project Development and Model Power Purchase Agreements Applied to Solar Power Projects, dated 12 September 2017 - http://vepg.vn/wp-content/uploads/2019/07/ Circular 16 2017 TT-BCT EN.pdf Ministry of Industry and Trade (MOIT) Circular 05/2019/TT-BCT amending Circular 16/2017/TT-BCT on Standardized PPA for Solar Power projects, dated 11 March 2019 - http://vepg.vn/wp-content/uploads/2019/03/MoIT Circular 5-2019 EN.pdf Prime Minister (PM) Decision 13/2020/QD-TTg on Mechanisms to promote the development of solar power projects in Viet Nam (Solar FIT 2), dated 6 April 2020 6. Ministry of Industry and Trade (MOIT) Circular 18/2020/TT-BCT stipulating Project Development and Standardized Power Purchase Agreement for Solar Power Projects, to replace MOIT Circular 16/2017/TT-BCT, dated 17 July 2020 http://vepg.vn/wp-content/uploads/2020/08/Circular 18 TT-BCT EN final.pdf 7. Ministry of Industry and Trade (MOIT) Rooftop Solar (RTS) PV Promotion Program – MOIT Decision 23/2023/QD-BCT, dated 5 July 2019 - http://vepg.vn/ legal_doc/moit-decision-2023-qd-bct-en/

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RTS Investment Guidelines - Structure and Content (VI)

References & Hyperlinks

References and hyperlinks to all relevant documents Import Duty Exemptions: RTS projects are expected from import duties on fixed assets in accordance with regulations are export and import duties (Article 14 of <u>Decree No. 134/2016/ND-CP</u>). Duty exemptions apply for all renewable energy systems and <u>Marice and Article 2018</u> (Inc. 2018) and the purchased to be used by the buyer themselves. This means, these would not apply for systems used under a leasing agreement. These apply as follows:

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RTS Investment Guidelines – Download



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