



**meazon**  
measure | monitor | manage

# CASE STUDY

Demand flexibility & DERs :  
The case of lightsource BP

[meazon.com](http://meazon.com)

## Description

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- Meazon provided its technology to Lightsourcebp, a company that develops home solar energy projects in volumes, resulting in virtual energy production plants
- The requirement was about a customized 3-phase energy monitoring tool that would interoperate with Lightsourcebp's energy management box and would simultaneously report on a per sub-second period energy consumption and production
- 2 WiFi meter sensors should be installed in the home to measure different loads



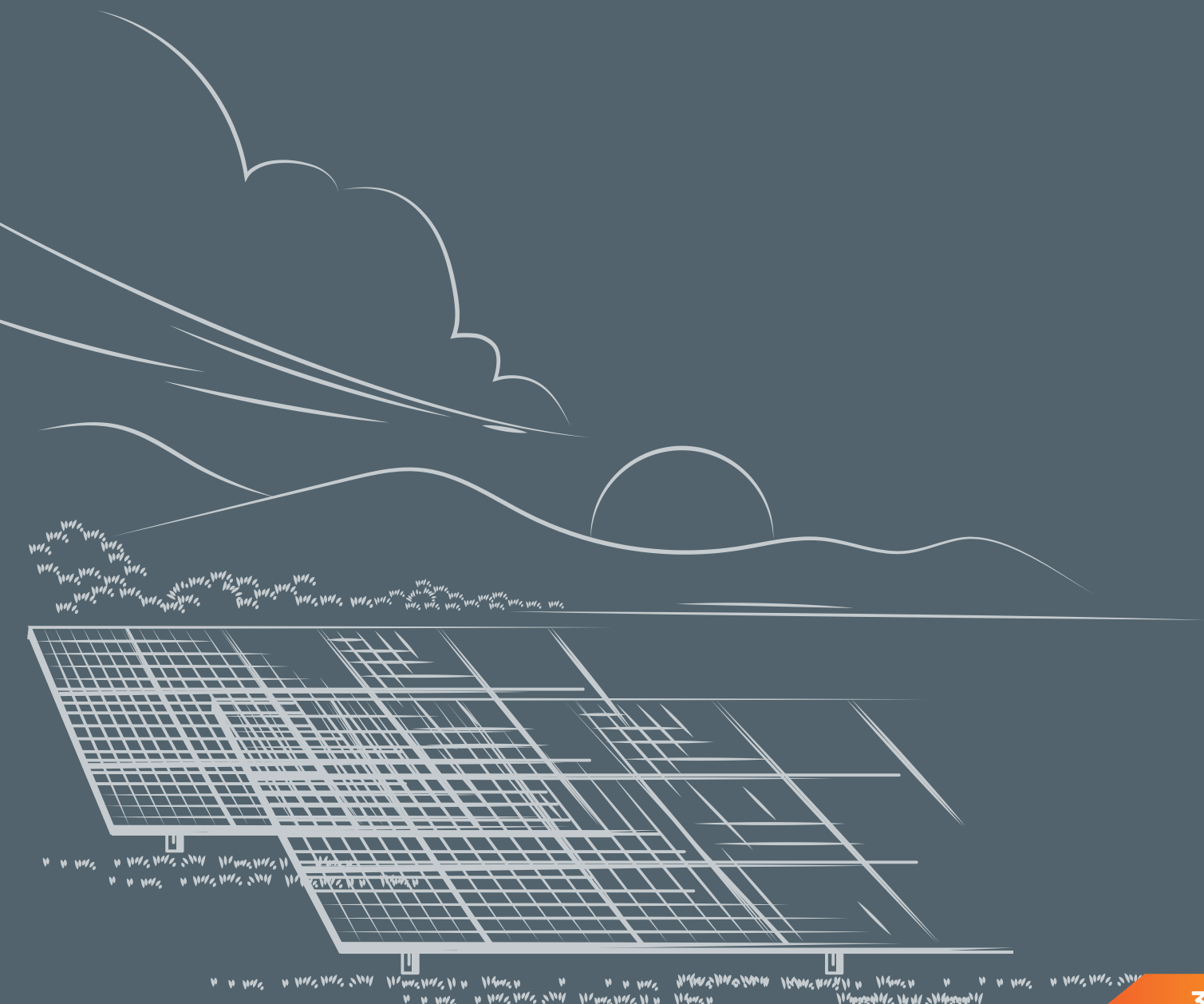
lightsourcebp



# Customer objectives & challenges



- Tailor the product to Lightsourcebp's requirements, so that it satisfied their needs and enabled both design considerations and data interrogation at the target pace
- Challenges: report interval 100msec to support new types of services
- Meter sensors must be easy to install and small to fit even in tight switchboard panels.



## Key Benefits

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- Ability to use different CTs in every phase/line
- Remote fix of installer mistakes in the field. An operator can assign remotely the reference voltage to every line.
- One device can be used with any preselected CT for simpler stock management

lightsource bp

” We chose to partner with Meazon for our home energy management offering as the team’s technical expertise & agility was a combination that no other player could provide. We distinguished Meazon because even though large players like ABB / Hager offer great solutions, they would never have been able to tailor the product to our requirements as easily, so that it satisfies our needs and enables both design considerations and data interrogation at the target pace.”

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CTO,  
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