



**Gold Standard**  
for the Global Goals

## TEMPLATE

### PROJECT ANNUAL REPORT FORM

Publication Date **16/08/2022**

Version **2.0**

Next Planned Update **16/08/2025**

#### Contact Details

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## SUMMARY

Gold Standard Design Certified Projects are required to submit annual reports to share progress, key updates and confirm that the project is active. This template provides a standardised form to complete annual reporting. The annual reports are required for each monitoring year for which verification is not completed by the end of the following calendar year (section 5.1. (d), Annual Reporting, Gold Standard for the Global Goals [Principles and Requirements](#)). The Project Developer shall upload annual reports on the SustainCERT App.

### 1| SCOPE AND APPLICABILITY:

- 1.1.1 | The annual report form is applicable to all Gold Standard standalone projects and voluntary project activities (VPAs) of all scales. In case of a Programme of Activities, the Coordinating/Managing Entity may submit one combined annual report for multiple VPAs.
- 1.1.2 | **A/R Projects Only** - If the project is certified according to the Forest Stewardship Council (FSC), the Certification Status replaces the completion of this template. Please provide the FSC Audit Report and provide a reference to this supporting document in section 3| of this template. In addition, please provide evidence on how the project demonstrates conformity to Gold Standard [Safeguarding Principle](#) 3.8.1 on Water (FSC Certification is not deemed as evidence that this Principle is met). For further guidance refer to the section "FSC Dual Certification" in the [Land Use and Forests Activity Requirements](#).

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## 2| ENTRY INTO FORCE

### 2.1.1 | The annual report form:

- a. is available for use by all projects from its release date.
- b. shall be used for annual reports submitted after 15/11/2022.

## 3| TIMING FOR ANNUAL REPORT SUBMISSION

### 3.1.1 | As per section 5.1 of the Principles and Requirements, annual reports:

- a. are due until end of next calendar year for which the verification is not completed.
- b. Are still required by the end of the calendar year if a verification is in progress but not complete.

For example:

| Examples - Project Status                                                                                      | Annual report submission                               |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| No monitoring report submitted yet, project start date in 2019                                                 | by end of 2020                                         |
| Last monitoring period end: 01 January 2019                                                                    | by end of 2020                                         |
| Last monitoring period end: 01 December 2019                                                                   | by end of 2020                                         |
| Verification report submitted for monitoring period 01 June 2018 to 31 May 2019                                | for 01 June 2019 to 31 December 2020<br>by end of 2020 |
| Last monitoring period end: 01 December 2019, last annual report covering 01 December 2019 to 01 December 2020 | by end of 2021                                         |

- ### 3.1.2 | The Project Developer shall upload the annual report(s) on the SustainCERT App to complete the submission. Note that the annual report shall be made public upon submission.



**1| PROJECT(S) INFORMATION**

*Please identify the project activity, Programme of Activity, and/or Voluntary Project Activity/ies (henceforth called 'project') and the reporting period to which this annual report applies.*

|                                                                                |                                                                                                                               |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>0.1  </b> Title of Project/ VPA(s)                                          | Samsun Landfill Gas to Energy Project, Turkey                                                                                 |
| <b>0.2  </b> GS ID(s)                                                          | GS935                                                                                                                         |
| <b>0.3  </b> GS Registry project link(s)                                       | <a href="https://registry.goldstandard.org/projects/details/1670">https://registry.goldstandard.org/projects/details/1670</a> |
| <b>0.4  </b> Date of completion of the report                                  | 14/12/2022                                                                                                                    |
| <b>0.5  </b> Which monitoring period is the annual report being submitted for? | 01/05/2021 to 31/12/2021                                                                                                      |
| <b>0.6  </b> Is a verification in progress for this monitoring period?         | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                        |

**2| ANNUAL REPORT**

*Please use this section to provide a brief summary of the progress of the project(s) during the reporting period and a summary of the monitoring information obtained.*

|                                                                                                                            |                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>0.7  </b> Has the project been actively implemented/operated during the monitoring period (Q1.5) this report refers to? | <input checked="" type="checkbox"/> <b>Yes</b><br><input type="checkbox"/> <b>No</b><br><i>If no, please elaborate:</i> |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|



**0.8** | Please list the recent activities, events and actions related to the project that summarize the project's progress during the monitoring period this report refers to.

Samsun Landfill Gas is invested by "Samsun Aydan Enerji Üretim ve Tic. A.Ş.". Operator of the landfill is the municipality. The old landfill has been filled in 2008 and the new landfill site, where the project is situated at, is in use since 2008. The first filled lot of the Samsun disposal area is about 37,000m<sup>2</sup> from 6m waste filling level in north west and south east ends of the landfill in the middle - direction north east it is increasing to a level of about 18m in the south west around 12-15m actual highness. A main pipe for is prepared from the leachate tank under the road and leads ends at a prepared area for the gen sets and booster station of about 300m<sup>2</sup>. In 2009, the expected disposed waste amount was 182,500 tonnes, corresponding to an average of 500 t/day. The capacity increased to 8.4 MWe on dd. 24/03/2016. The project collects the wastes regularly and help the decreases irregular distribution areas in Turkey. Commissioning of the additional capacity is 22/05/2018.

Prior to the proposed project activity, the wastes are left to decay within Samsun landfill site and methane is emitted to the atmosphere without any control or utilization. The baseline scenario is the same as the existing scenario, i.e. atmospheric release of the landfill gas and power supply by the grid. With the proposed project, LFG generated in the involved landfill site will be captured by newly constructed LFG collection and utilization system. All the captured LFG is combusted to produce electricity for export to the grid. A flare device installed to destroy excess LFG when the LFG generation amount exceeds the utilization capacity of the LFG power generators. Exact timing and installed power of this expansion work depends on the actual LFG generation on site, the Project design as of commissioning phases;

Phase 1: Capacity 2.4 MWe – 09/03/2012 (1<sup>st</sup> and 2<sup>nd</sup> Gas Engines (2 x 1.2 Mwe)

Phase 2: Capacity 3.6 MWe – 27/09/2013 ( 3th Gas Engine (1.2 Mwe)



Phase 3: Capacity 6.0 MWe – 27/09/2014 (4<sup>th</sup> and 5<sup>th</sup> Gas Engines (2x 1.2 Mwe)

Phase 4: Capacity 8.4 MWe – 22/05/2018 (6<sup>th</sup> and 7<sup>th</sup> Gas Engines (2x 1.2 Mwe)

The Project activity has been located within the already existing landfill site, where the waste is transported from the city and the leachate is collected and stored. The Municipality has leased the building plot within the landfill site to the Project owner, on which the Project owner can build and operate the Project.

The proposed Project does not involve any operations on site, it will solely install the vertical and horizontal pipes to collect the LFG efficiently and generate power from collected LFG. The extraction system shall include a network of vertical gas extraction wells, de-watering units and gas transport pipelines connected to a main collector system. The gas has been driven to gas engine and the flare via an aspiration system. "Samsun Aydan Enerji Üretim ve Tic. A.Ş." also has Biogas utilization application but this part has not been included to project boundary. Biogas and LFG blends in same pipe and goes to the electricity generators. The electricity energy produced from LFG is calculated based on conservative assumptions and measurements. The generation depends on the quantity of the LFG. The project has supply the Turkish National Grid (hereafter referred to as „the Grid“) with zero emission energy, generated by the LFG .

Electricity currently generated by the grid is relatively carbon intensive, with a combined margin emission factor of 0.3953 tCO<sub>2</sub> tCO<sub>2</sub>/MWh. The connection point of the project activity is Kavak 31.5 KV TM-39 TRA-DM.

The amount of annual production is 29,175.028 MWh and emission reduction are 11,532 tCO<sub>2</sub> between 01/05/2021 and 31/12/2021 rom electricity.

The main equipment used in the Project is gas engines with the following specifications:

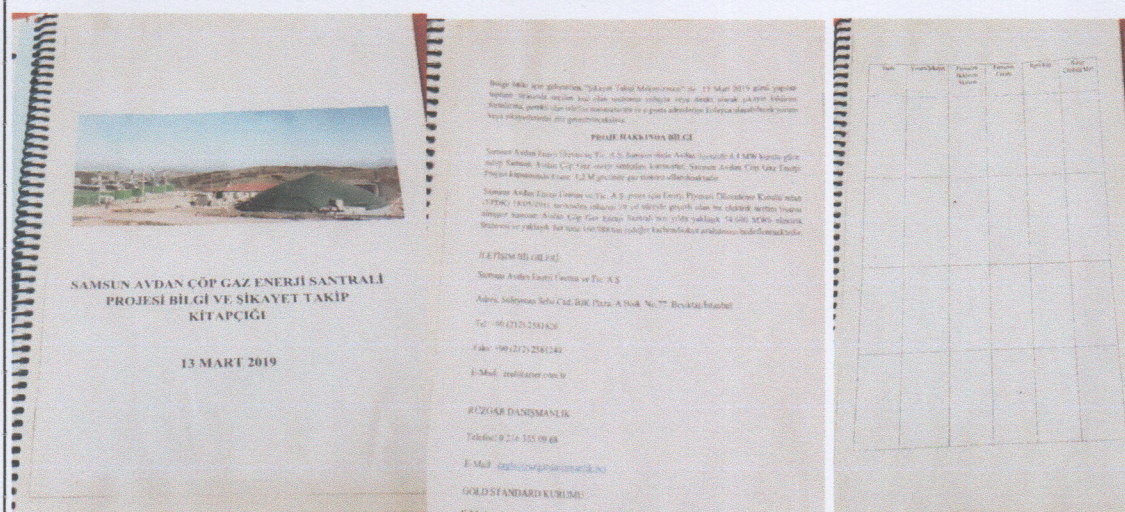


|                                                                                                                                                                                 |                                                                                                                                                                                                                  |                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                 | Equipment                                                                                                                                                                                                        | Specifications                                                                                                                                     |
|                                                                                                                                                                                 | Gas Engine                                                                                                                                                                                                       | Manufacturer: Deutz                                                                                                                                |
|                                                                                                                                                                                 | Number of Units                                                                                                                                                                                                  | 7                                                                                                                                                  |
|                                                                                                                                                                                 | Blower                                                                                                                                                                                                           | Capacity: 1.23 MWm, 1.2 MWe Efficiency at full capacity: 40.4% Type: Packaged in container                                                         |
|                                                                                                                                                                                 | Flare                                                                                                                                                                                                            | Manufacturer: Conveco<br><br>It has been designed for combustion of 500 Nm3/h of biogas and complete retention of flame inside combustion chamber. |
| <b>0.9  </b> Have there been any <b>changes to the continuous input/grievance mechanism</b> during the monitoring period this report refers to?                                 | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> <b>No</b><br><i>If yes, please ensure that all stakeholders are informed of the new way to provide continuous inputs or file grievances.</i> |                                                                                                                                                    |
| <b>0.10  </b> Has there been any <b>input/feedback or grievance</b> provided by stakeholders after the validation stage and during the monitoring period this report refers to? | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> <b>No</b><br><i>If yes, please fill out the table below.</i>                                                                                 |                                                                                                                                                    |

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| Stakeholder Engagement Report |                               |                                     |                                                                                     |                                                                                        |                                                             |
|-------------------------------|-------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Date                          | Comment                       | Action point from Project Owner     | Response From Project Owner                                                         | Responsible person for the issue                                                       | Issue resolved?                                             |
| DD/MM/YYYY                    | Describe the comment received | Changes expected by the stakeholder | How you will resolve the issue/ Whether you find the issue relevant to be addressed | Person who will take/took the responsibility for resolving and monitoring of the issue | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |
|                               |                               |                                     |                                                                                     |                                                                                        | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |



|                                                                                                                                                                     |                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.11   Have there been any incidents or events that may impact the Outcomes/Impacts delivered to date (in terms of loss) or the ongoing Performance of the Project. | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No<br>If yes, please elaborate:                                                           |
| 0.12   Have any legal contests/disputes arisen related to the project?                                                                                              | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No<br>If yes, please elaborate:                                                           |
| 0.13   Have there been any updates to the Key Project Information, Project Design Document, Monitoring & Reporting Plan?                                            | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No<br>If yes, please refer to the section <b>Error! Reference source not found.</b> below |



**0.14 |** Please provide a summary of the monitoring information collected during the year.

Two electricity meters are adopted in the monitoring system of the project. The meters have been installed at the interconnection point to the grid for monitoring the electricity delivered to the grid.

According to the Turkish Law and Regulations, the methods of monitoring the net electricity fed to the grid and quality control and assures are explained below:

The main and spare meter readings are recorded monthly and cross-checked whether calibration is required. The capacity of the transmission line connected is 34 kVA, the accuracy class for power meters have been defined in the Communiqué for Power Meters as 0.2s or 0.5 s class. The calibration is implemented in accordance with the related standard procedures. The periodical maintenance is under the responsibility of YEDAŞ and has been fixed as once in 10 years. It is under the responsibility of YEDAŞ Since YEDAŞ meters are sealed by YEDAŞ, the project proponent cannot intervene with the devices. The net electricity export/supplied to a grid is the difference between the measured quantities of the grid electricity export and the import. Data measured by meters are crosschecked with the EPIAS records.

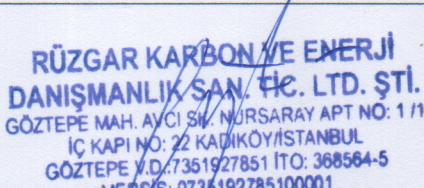
Data is stored electronically, during the crediting period and at least two years after the last issuance of credits for the solar power project activity in the concerning crediting period. The Project Participant is responsible for storage of data received from the measuring devices.

Continuous measurement and at least monthly recording. (Remote automatic meter reading system- OSOS).

Information of the meters are listed as followed:

|              | Electricity Meter (Primary) | Electricity Meter (Secondary) |
|--------------|-----------------------------|-------------------------------|
| Manufacturer | MAKEL                       | ELSTER                        |
| Model        | C510.AMT.5<br>851           | A1500                         |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                          |               |          |        |                      |            |            |                             |            |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|--------|----------------------|------------|------------|-----------------------------|------------|------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <table border="1"> <tr> <td>Serial number</td> <td>65001340</td> <td>436730</td> </tr> <tr> <td>Date of installation</td> <td>04/10/2017</td> <td>21/12/2011</td> </tr> <tr> <td>Date of initial calibration</td> <td>07/09/2016</td> <td>20/12/2011</td> </tr> </table> | Serial number | 65001340 | 436730 | Date of installation | 04/10/2017 | 21/12/2011 | Date of initial calibration | 07/09/2016 | 20/12/2011 |
| Serial number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 65001340                                                                                                                                                                                                                                                                 | 436730        |          |        |                      |            |            |                             |            |            |
| Date of installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 04/10/2017                                                                                                                                                                                                                                                               | 21/12/2011    |          |        |                      |            |            |                             |            |            |
| Date of initial calibration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 07/09/2016                                                                                                                                                                                                                                                               | 20/12/2011    |          |        |                      |            |            |                             |            |            |
| <b>0.15  </b> (For LUF projects) Have there been any updates to the 'Project Participants and Secured Titles?'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br>NA                                                                                                                                                                                                        |               |          |        |                      |            |            |                             |            |            |
| <b>3  SUPPORTING DOCUMENTATION/EVIDENCE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                          |               |          |        |                      |            |            |                             |            |            |
| <b>0.16  </b> Please list any supporting documentation or evidence provided along with this annual report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | There are no changes after last performance certification process.                                                                                                                                                                                                       |               |          |        |                      |            |            |                             |            |            |
| <b>4  DECLARATION OF CORRECT PROJECT INFORMATION</b><br><input checked="" type="checkbox"/> I, the undersigned, attest to the accuracy of the information provided in this Annual Report<br><input checked="" type="checkbox"/> I, the undersigned, understand that annual reporting does not represent certification nor any decision-making or agreement to any design change by gold standard. Annual reporting is intended as an opportunity to share progress and track key updates and confirms to Gold Standard that the project remains active. With formal review of conformity to requirements; any changes in approach shall be undertaken at performance certification only. |                                                                                                                                                                                                                                                                          |               |          |        |                      |            |            |                             |            |            |
| <b>Project Developer/Representative Entity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rüzgar Karbon ve Enerji Danışmanlık Sanayi Limited Şirketi                                                                                                                                                                                                               |               |          |        |                      |            |            |                             |            |            |
| <b>Signatory names</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Çağla Balcı Eriş                                                                                                                                                                                                                                                         |               |          |        |                      |            |            |                             |            |            |
| <b>Signature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                      |               |          |        |                      |            |            |                             |            |            |

## DOCUMENT HISTORY

| Version | Date       | Description                                                   |
|---------|------------|---------------------------------------------------------------|
| 1.0     | 01/07/2017 | Initial Adoption                                              |
| 1.1     | 01/03/2018 | Editorial changes                                             |
| 2.0     | 16/08/2022 | - Introduced a checklist format with guidance and references. |



- Added clarification on timelines and conditions for submission of annual reports and other communication to Gold Standard.
  - Changed title to differentiate from other annual report templates.
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