Solar Thermal Site Assessment

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| **Name of client**  Click here to enter text. |
| **Site address**  Click here to enter text. |
| **Type of site:**  small residential building  large(r) residential building  public building  commercial building  other, please specify: Click here to enter text. |
| **Site visited**  yes, on Click here to enter a date. (date)  no |
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| **What is the (main) motivation of the client?**  cost  security of supply  local environment (clean air)  global environment (global warming)  convenience  other, please specify: Click here to enter text. |
| **Is the client the owner of the building / site?**  yes  no (please specify relation): Click here to enter text. |
| **How long do they plan to stay in the building / on the site (planning horizon)?**  Click here to enter text. years |
| **Does the client have a (fixed) budget for the (solar) water heating system?**  yes Click here to enter a date. (currency unit)  no |
| **Would the system be installed in a new building or retrofitted to existing building?**  new  retrofit |
| **Time frame for the project**  not yet determined  approximately in Click here to enter text. months  the system must be completed by: Click here to enter a date. |
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| **Approximate hot water / heating demand of the building / site**  Click here to enter text. litres  gallons per day  at Click here to enter text.°  Celsius (C)  Fahrenheit (F) |
| **Which building component could the collector field by installed upon?**  flat roof  sloped/pitched roof  facade  balcony  ground  Please describe further (type, material): Click here to enter text. |
| **Cardinal orientation of the building area that could be used to install the collectors (roof, facade, balcony, ground)**  Exact orientation in degree: Click here to enter text.°  Or approximate orientation (please mark on compass rose[[1]](#endnote-1)):  Brosen_windrose.eps |
| **What is the tilt of the suitable area?**  Click here to enter text.° |
| **How large is the suitable area?**  Click here to enter text.  square meter (m2)  square feet (sq ft) |
| **Is the roof (or facade, balcony etc.) strong enough to carry the weight of the collector field and – in the case of a thermosiphon DHW system – also the tank?**  yes  no  to be determined |
| **Shading of collector field**  (almost) none  yes, approximately Click here to enter text.% of collector field shaded for Click here to enter text. hours per day (explain further, if necessary – e.g. if strong seasonal differences occur) |
| **Would collectors be placed beneath aerials or similar equipment (possible problems with bird droppings):**  yes  no |
| **Accessibility of collectors for future inspections / maintenance**  (very) good  somewhat cumbersome, please explain: Click here to enter text. |
| **Possible placement of thermal storage tank**  Please, describe possible locations: Click here to enter text. |
| **Where could pipes be installed from collector to tank?**  Please, describe possible paths and lengths: Click here to enter text. |
| **Does central water heating exist already at the site?**  no (explain, if necessary): Click here to enter text.  yes, with main energy source  natural gas  heating oil  LPG  wood  other, please specify: Click here to enter text. |

1. Compass rose: Copyright by Rosen [↑](#endnote-ref-1)