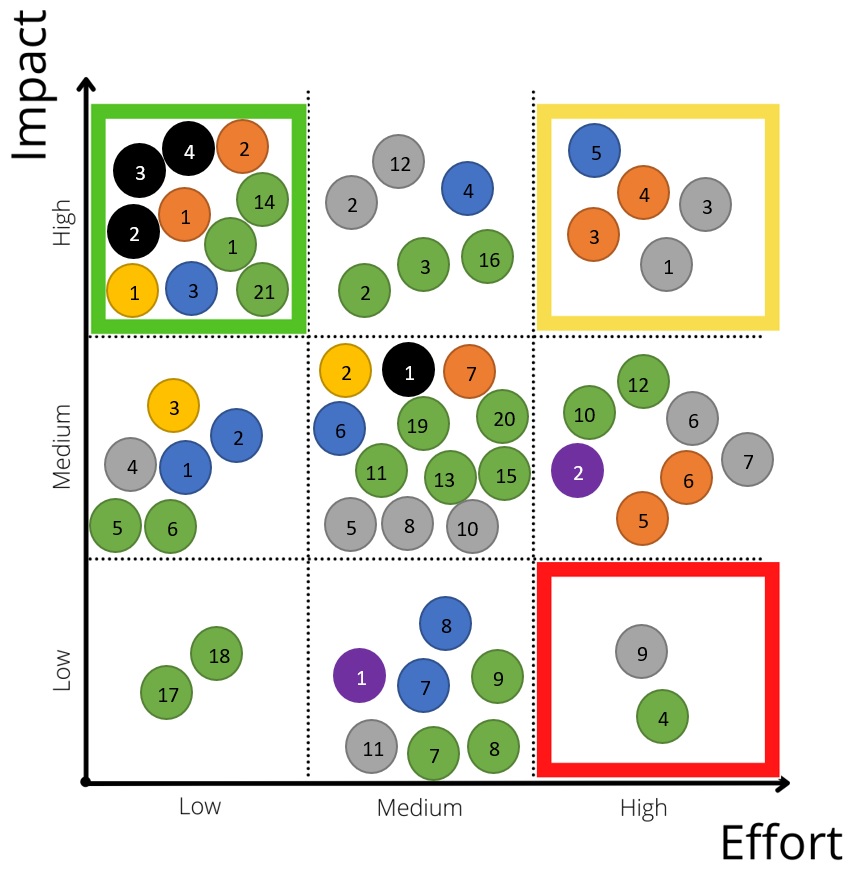
# **Applicable measures**

**Action priority matrix**

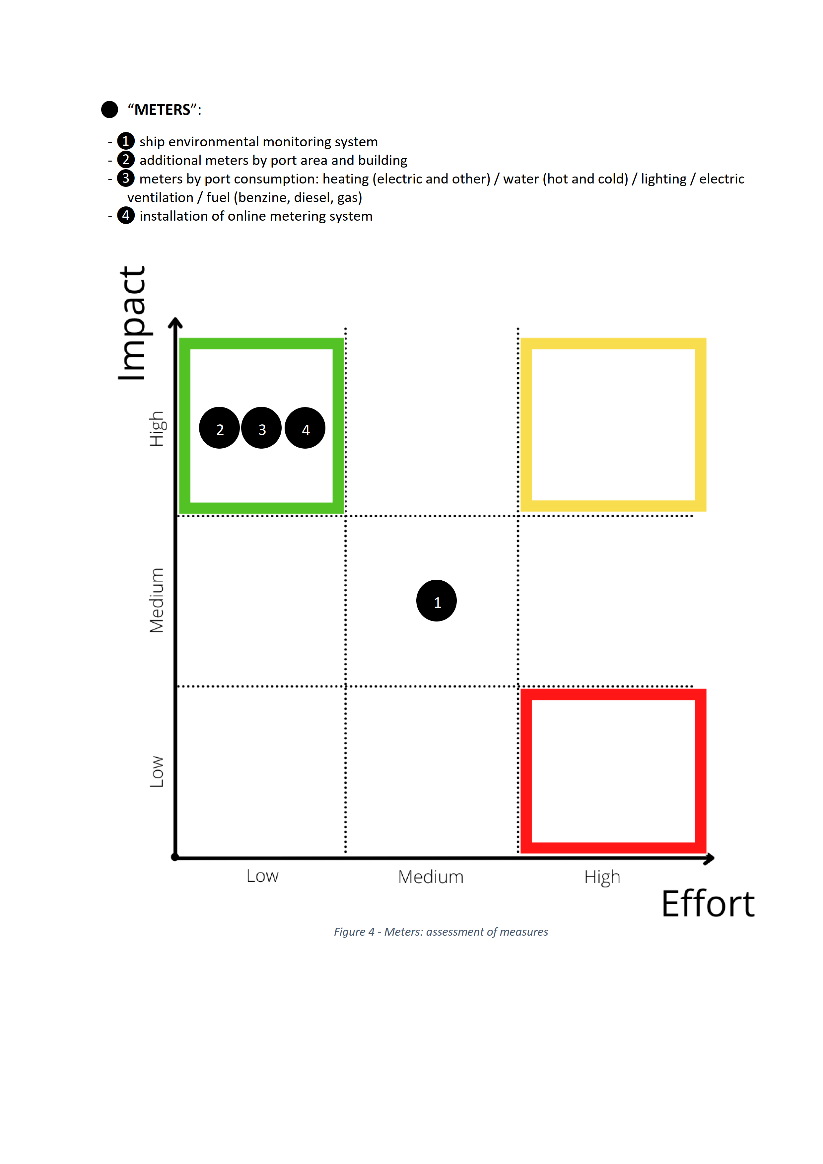
Guidelines: Use the matrix to select measures for your strategic energy management plan. The measures are selected based on existing gaps. The list of all measures is given below by category. A description of each measure is provided in the guidance for strategic energy management plan development.



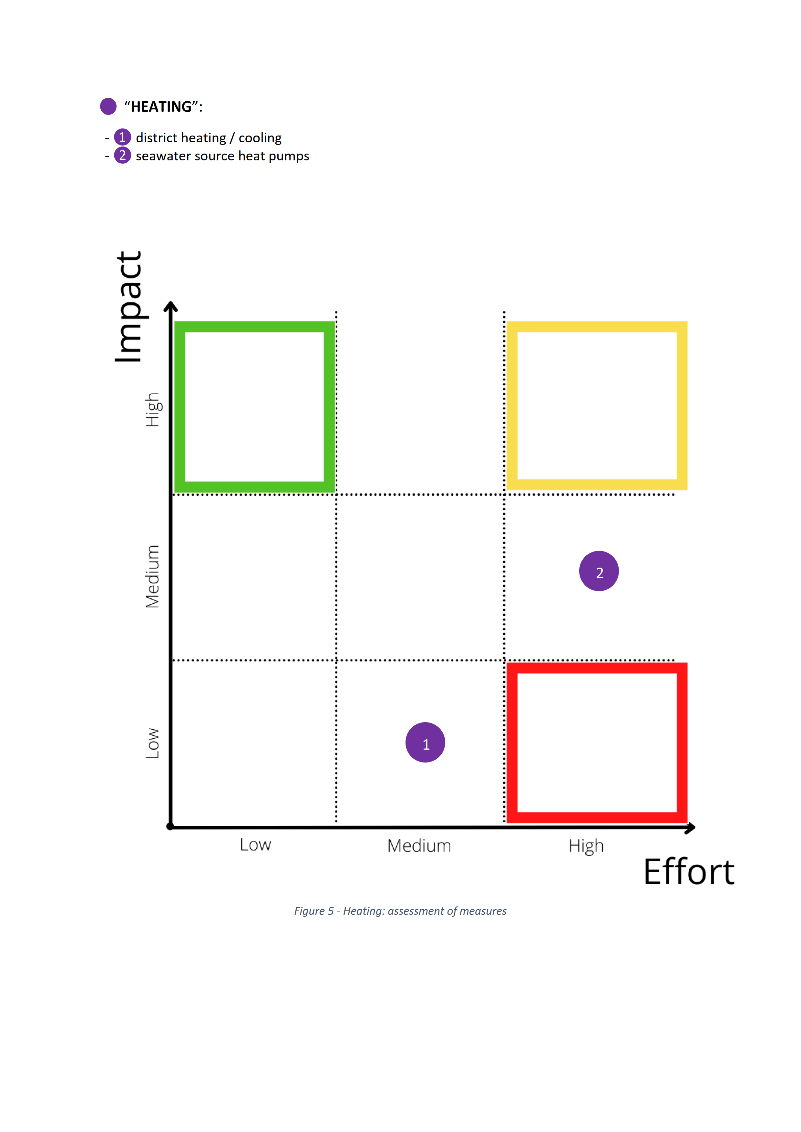
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|  | **METERS** |  | **ALTERNATIVE FUELS** |
|  | **HEATING** |  | **RENEWABLES** |
|  | **LIGHTING** |  | **EFFICIENCY** |
|  | **BUILDINGS** |  |  |

|  |  |
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| * “**METERS**”:   ❶ ship environmental monitoring system  ❷ additional meters by port area and building  ❸ meters by port consumption: heating (electric and other) / water (hot and cold) / lighting / electric ventilation / fuel (benzine, diesel, gas)  ❹ installation of an online metering system | * “**HEATING**”:   ❶ district heating/cooling  ❷ seawater source heat pumps |
| * “**LIGHTING**”:   ❶ LED lighting  ❷ adaptive lighting system  ❸ LED floodlights and walkway lights | * “**BUILDINGS**”:   ❶ painting walls white/add windows  ❷ install air curtain  ❸ optimization of HVAC system  ❹ insulation  ❺ nearly zero energy building  ❻ demand-controlled ventilation system  ❼ adjusting air temperature  ❽ green roof |
| * “**ALTERNATIVE** **FUELS**”:   ❶ onshore power supply (OPS)  ❷ LNG PowerPac  ❸ mobile LNG barge  ❹ LNG bunkering: truck to ship  ❺ LNG bunkering: shore to ship  ❻ LNG bunkering: ship to ship  ❼ LNG bunkering: local liquefaction plant  ❽ alternative fuels  ❾ automated mooring systems  ❿ hybrid power train  ⓫ hybrid power train (plug-in hybrid)  ⓬ electrification of power train | * “**RENEWABLES**”:   ❶ obtain “green” energy  ❷ solar photovoltaics (PV)  ❸ wind power  ❹ hydropower  ❺ biogas  ❻ geothermal  ❼ microturbine |
| * “**EFFICIENCY**”:   ❶ energy / emission target  ❷ energy management system  ❸ energy audits  ❹ smart grid applications  ❺ employee suggestion system  ❻ employee environment training  ❼ employee bus shuttle services  ❽ provision of bikes for commuting  ❾ bundling of power  ❿ cross-company use of waste heat  ⓫ heavy duty vehicle (HDV) emission control zone  ⓬ alternative HDV cooling: DTRU | ⓭ alternative HDV cooling: grid feed  ⓮ green port fees  ⓯ slow steaming  ⓰ electrification of power train  ⓱ energy-saving tires  ⓲ tire pressure control  ⓳ regenerative drives  ⓴ emission control technologies  21 eco-driving lessons |

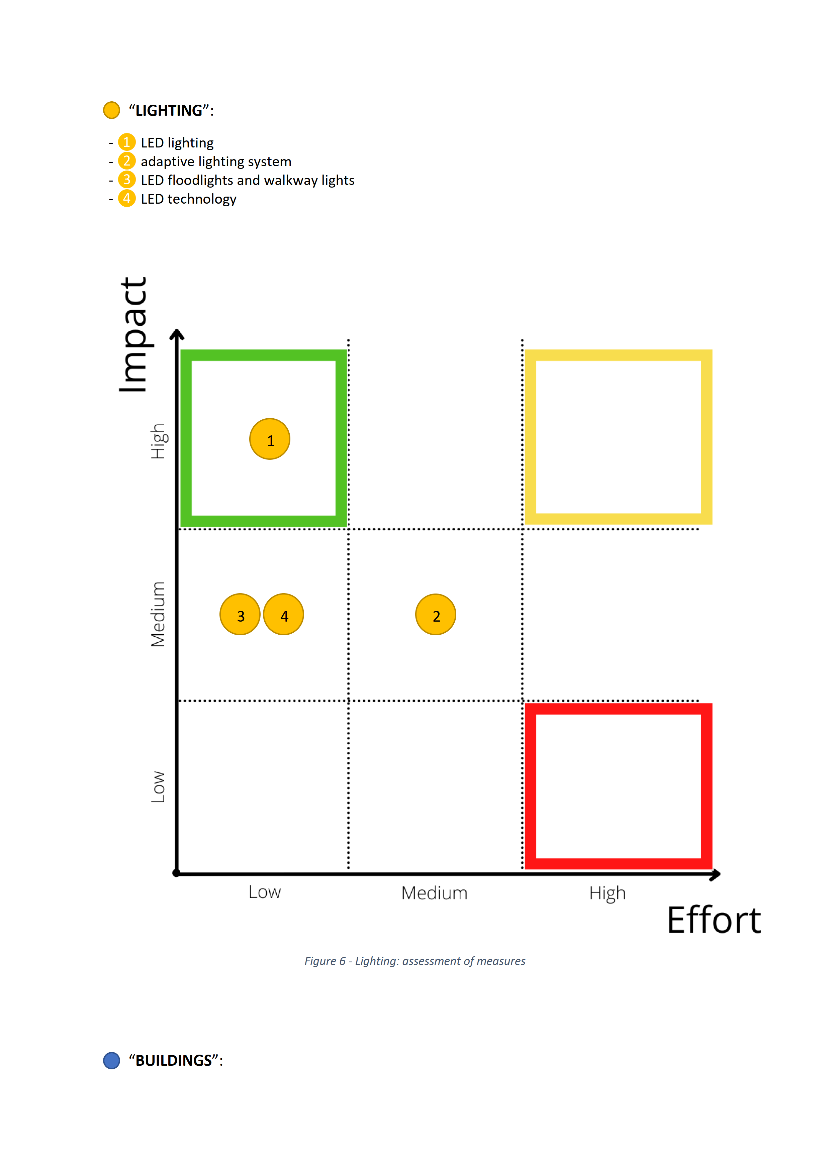
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| * “**METERS**”:   ❶ ship environmental monitoring system  ❷ additional meters by port area and building  ❸ meters by port consumption: heating (electric and other) / water (hot and cold) / lighting / electric ventilation / fuel (benzine, diesel, gas)  ❹ installation of an online metering system |



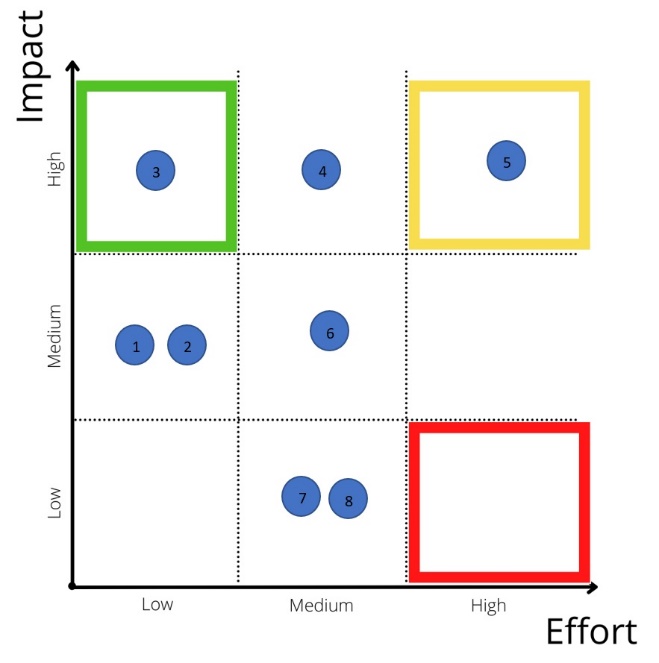
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| * “**HEATING**”:   ❶ district heating/cooling  ❷ seawater source heat pumps |



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| * “**LIGHTING**”:   ❶ LED lighting  ❷ adaptive lighting system  ❸ LED floodlights and walkway lights |



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| * “**BUILDINGS**”:   ❶ painting walls white / add windows and skylights  ❷ install air curtain  ❸ optimization of HVAC system  ❹ insulation  ❺ nearly zero energy building  ❻ demand-controlled ventilation (DCV) system  ❼ adjusting air temperature  ❽ green roof |



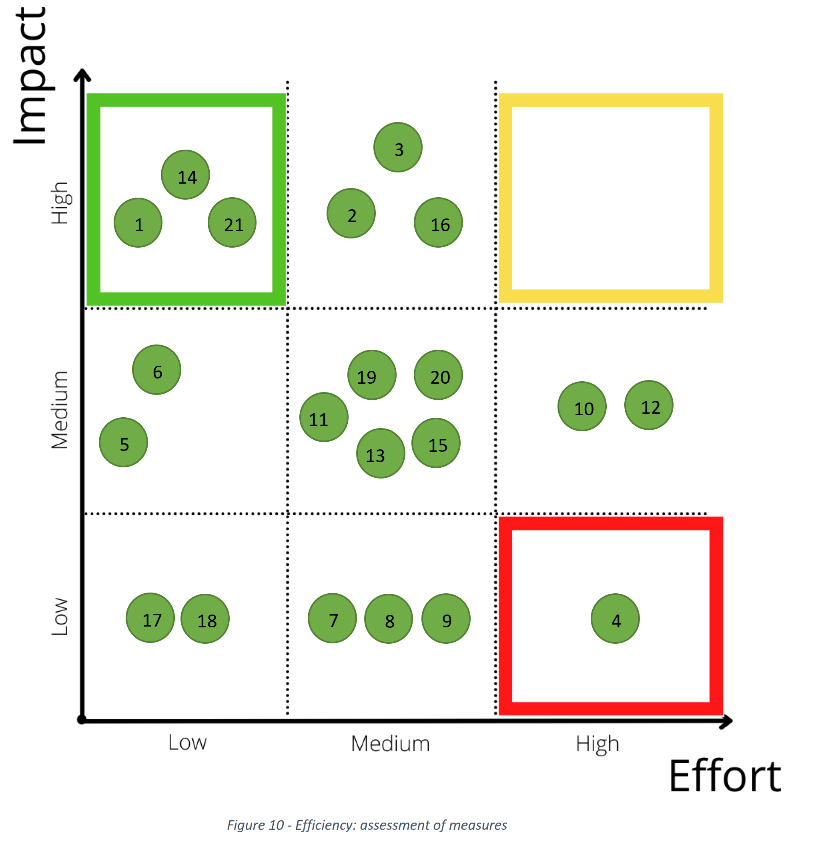
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| * “**ALTERNATIVE** **FUELS**”:   ❶ onshore power supply (OPS)  ❷ LNG PowerPac  ❸ mobile LNG barge  ❹ LNG bunkering: truck to ship (TTS)  ❺ LNG bunkering: shore to ship  ❻ LNG bunkering: ship to ship (STS)  ❼ LNG bunkering: local liquefaction plant  ❽ alternative fuels  ❾ automated mooring systems  ❿ hybrid power train  ⓫ hybrid power train (plug-in hybrid)  ⓬ electrification of power train (battery or fuel cell) |

Kuva, joka sisältää kohteen neliö

Kuvaus luotu automaattisesti

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| “**RENEWABLES**”:  ❶ obtain “green” energy  ❷ solar photovoltaics (PV)  ❸ wind power  ❹ hydropower  ❺ biogas  ❻ geothermal  ❼ microturbine |





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| * “**EFFICIENCY**”:   ❶ energy / emission target  ❷ energy management system (EMS)  ❸ energy audits  ❹ smart grid applications  ❺ employee suggestion system  ❻ employee environment training  ❼ employee bus shuttle services  ❽ provision of bikes for commuting  ❾ bundling of power  ❿ cross-company use of waste heat  ⓫ heavy duty vehicle (HDV) emission control zone  ⓬ alternative HDV cooling: DTRU | ⓭ alternative HDV cooling: grid feed  ⓮ green port fees  ⓯ slow steaming  ⓰ electrification of power train  ⓱ energy-saving tires  ⓲ tire pressure control  ⓳ regenerative drives  ⓴ emission control technologies (ECTs)  21 eco-driving lessons |

Kuva, joka sisältää kohteen pöytä

Kuvaus luotu automaattisesti