

See
differently.

Act
differently.

We are SolarEis.

SOLAREIS BUILDING CLIMATE CONTROL MERGES EXPERTISE WITH SOCIAL RESPONSIBILITY

SINCE THE INTRODUCTION OF THE INNOVATIVE SYSTEM IN 2006, SOLAREIS HAS PROFITABLY COMBINED ITS PROFESSIONAL APPROACH WITH CORPORATE SOCIAL RESPONSIBILITY. SOLAREIS OFFERS OPPORTUNITIES FOR EVERYONE—FOR THE WORLD OF TODAY AND TOMORROW.

THE RICH PORTFOLIO OF LEADING PROJECTS IS THE TANGIBLE PROOF OF OUR SYSTEM, KNOWLEDGE, AND EXPERTISE. SOLAREIS BENELUX CLOSELY COLLABORATES WITH THE GERMAN VISSMANN GROUP, ONE OF THE WORLD'S MOST PROMINENT MANUFACTURERS OF HEATING AND COOLING SYSTEMS.

Heating with ice.

Climate adaptation:
the profitable
transformation.

Never need gas again.

LET NATURE DO THE WORK!

HEATING WITH ICE MAY SEEM LIKE A PARADOX, BUT IT REALLY WORKS. MOTHER NATURE IS FULL OF RENEWABLE ENERGY SOURCES—FORMS OF ENERGY THAT DO NOT LEAD TO CO₂ EMISSIONS. NATURE AS A SOURCE.

THE SOLAREIS SYSTEM COMBINES FIVE NATURAL ENERGY SOURCES FOR HEATING AND COOLING IN THE MOST ECONOMICAL WAY: SUN, AIR, EARTH, WATER, AND ICE. HEATING AND COOLING SYSTEMS CAN'T GET MORE EFFICIENT OR ECO-FRIENDLY THAN THIS.

AS THE COLD SEASON BEGINS, WATER IN THE SYSTEM IS GRADUALLY COOLED TO FREEZING POINT. DURING THE TRANSITION FROM COLD WATER TO ICE, A SIGNIFICANT AMOUNT OF ENERGY IS RELEASED, WHICH CAN BE USED TO HEAT BUILDINGS. AFTER THE HEATING SEASON, THE ICE SLOWLY MELTS, AND THE COLD RELEASED DURING THIS PROCESS IS USED TO COOL BUILDINGS.

THE ENERGY RELEASED WHEN FREEZING A LITER OF WATER AT 0°C IS ENOUGH TO HEAT ANOTHER LITER OF WATER FROM 0°C TO 80°C.

Pure. Natural.

Climate adaptation:
the profitable
transformation.

Permit-free installation. Anywhere.

PERMIT-FREE INSTALLATION ANYWHERE

THE SOLAREIS SYSTEM IS THE ONLY UNCONVENTIONAL HEATING AND COOLING SYSTEM THAT IS 100% PERMIT-FREE, EVEN WITHIN WATER PROTECTION AREAS. NO DRILLING IS REQUIRED, SO THERE IS NO DAMAGE TO NATURE. A SIMPLE NOTIFICATION IN THE BUILDING PERMIT IS SUFFICIENT!

SOLAREIS GIVES DEVELOPERS THE FREEDOM TO PROFITABLY OPERATE PROJECTS WITHIN THE NEW ENVIRONMENTAL LAWS.

Together. SolarEis & Co.

ENERGY-EFFICIENT BUILDINGS: A STRONG AMBITION

THE EUROPEAN GOVERNMENTS HAVE SET CLIMATE GOALS. ULTIMATELY, BY 2050, THE BUILT ENVIRONMENT MUST BE ENERGY-NEUTRAL AND FREE FROM NATURAL GAS, USING ONLY SUSTAINABLE ENERGY SOURCES.

SINCE NEW BUILDINGS MUST ALREADY MEET STRICTER REGULATIONS, THE PRIMARY CHALLENGE FOR THE BUILT ENVIRONMENT IS TO REDUCE ENERGY CONSUMPTION IN EXISTING PROPERTIES. ENERGY-SAVING MEASURES AND THE GENERATION OF SUSTAINABLE ENERGY CONTRIBUTE TO THE EUROPEAN CLIMATE AGREEMENT.

MORE AND MORE DEVELOPERS AND HOUSING CORPORATIONS ARE SEEKING CONTROL OVER ENERGY, HEATING, AND COOLING IN THEIR OWN PROPERTIES. RENOVATION, REDEVELOPMENT, AND NEW CONSTRUCTION ARE BEING TESTED AGAINST NEW LEGISLATION. SOLAREIS & CO IS THE LOGICAL NEXT STEP. TOGETHER WITH SOLAREIS, CLIENTS BECOME BUSINESS OWNERS FOR THE GENERATION AND SUPPLY OF ENERGY IN VARIOUS HOUSING PROJECTS. WE ENSURE THAT PROPERTIES MEET CURRENT ENERGY EFFICIENCY STANDARDS.

WITH SOLAREIS & CO, WE TURN A NECESSITY INTO AN ADVANTAGE. BY LOOKING AND ACTING DIFFERENTLY, WE TURN THE ENERGY TRANSITION INTO A PROFITABLE TRANSFORMATION FOR SERIOUS REAL ESTATE DEVELOPERS!

It is
possible.

Climate adaptation:
the profitable
transformation.

New opportunities.

TURNING A NECESSITY INTO AN ADVANTAGE.

SUSTAINABLE REAL ESTATE IS NO LONGER A TREND; IN FACT, IT IS INCREASINGLY BECOMING THE NORM. THIS IS DUE IN PART TO LEGISLATION BUT ALSO BECAUSE UNSUSTAINABLE REAL ESTATE WILL BE MORE DIFFICULT TO FINANCE IN THE LONG RUN.

THE NEW ENVIRONMENTAL LAW OBLIGES MUNICIPALITIES, PROVINCES, AND THE NATIONAL GOVERNMENTS TO DEVELOP AN ENVIRONMENTAL VISION. THE AIM IS TO BETTER CONNECT VARIOUS SOCIETAL CHALLENGES IN THE SPATIAL DOMAIN. AS A RESULT, NEW REAL ESTATE PROJECTS CAN ONLY BE DEVELOPED WITHIN THE FRAMEWORKS ESTABLISHED BY THE NEW LEGISLATION AND CLIMATE GOALS.

SOIL, GROUNDWATER, AND SUBSURFACE PLAY A SIGNIFICANT ROLE IN THIS ESTABLISHED ENVIRONMENTAL LAW, CLIMATE, AND ENERGY TASK. THIS TIME CALLS FOR A NEW APPROACH AND PERSPECTIVE—A SUSTAINABLE AND PROVEN SYSTEM IN PRACTICE. A LOGICAL STEP FOR DEVELOPERS THAT FITS ALL THE GOVERNMENT'S SET GOALS AND LEGISLATION: SUSTAINABLE HEATING AND COOLING OF REAL ESTATE.

CLIMATE ADAPTATION: THE PROFITABLE TRANSFORMATION

More
control.
More profit.

CONTROL AND OVERSIGHT FOR PROVIDERS.

AS A PROVIDER, YOU WANT TO MINIMIZE PAPERWORK. THE SOLAREIS & CO PORTAL MAKES THAT POSSIBLE. THIS EXTENSIVE PORTAL NOT ONLY ENSURES THAT BILLING IS FULLY AUTOMATED BUT ALSO MONITORS ALL INSTALLATIONS. IF ANY ISSUES ARISE, IMMEDIATE ACTION CAN BE TAKEN.

THE PORTAL CONTAINS VARIOUS TOOLS THAT CONSTANTLY MONITOR ALL INSTALLATIONS. IF SOMETHING GOES WRONG, THE ADMINISTRATOR RECEIVES AN ALERT IMMEDIATELY. WHILE RESIDENTS BENEFIT FROM THE SOLAREIS SYSTEM AND INSIGHT INTO THEIR USAGE, PROVIDERS CAN ACHIEVE MORE PROFITABILITY WITH THEIR PROJECTS. THIS SUCCESSFUL FORMULA HAS ALREADY BEEN APPLIED IN SEVERAL NEW CONSTRUCTION PROJECTS.

MORE INSIGHT INTO THE NUMBERS ALSO MEANS MORE PROFITABILITY ON PROJECTS—NOT ONLY NOW BUT ALSO FOR THE FUTURE. THIS MAKES IT POSSIBLE TO GET EVEN MORE OUT OF A NEW CONSTRUCTION PROJECT.

THINK DIFFERENTLY, ACT DIFFERENTLY.



REAL-TIME INSIGHT INTO USAGE.

ENERGY SAVINGS AND COMFORTABLE LIVING HAVE NEVER BEEN EASIER WITH THE SOLAREIS & CO PORTAL.

WITH THIS INNOVATIVE TOOL, RESIDENTS CAN VIEW THEIR USAGE AT HOME AND REMOTELY, AT ANY TIME OF THE DAY. THIS MEANS ALWAYS BEING ABLE TO MANAGE CONSUMPTION AND AVOID UNPLEASANT SURPRISES ON THE FINAL BILL.

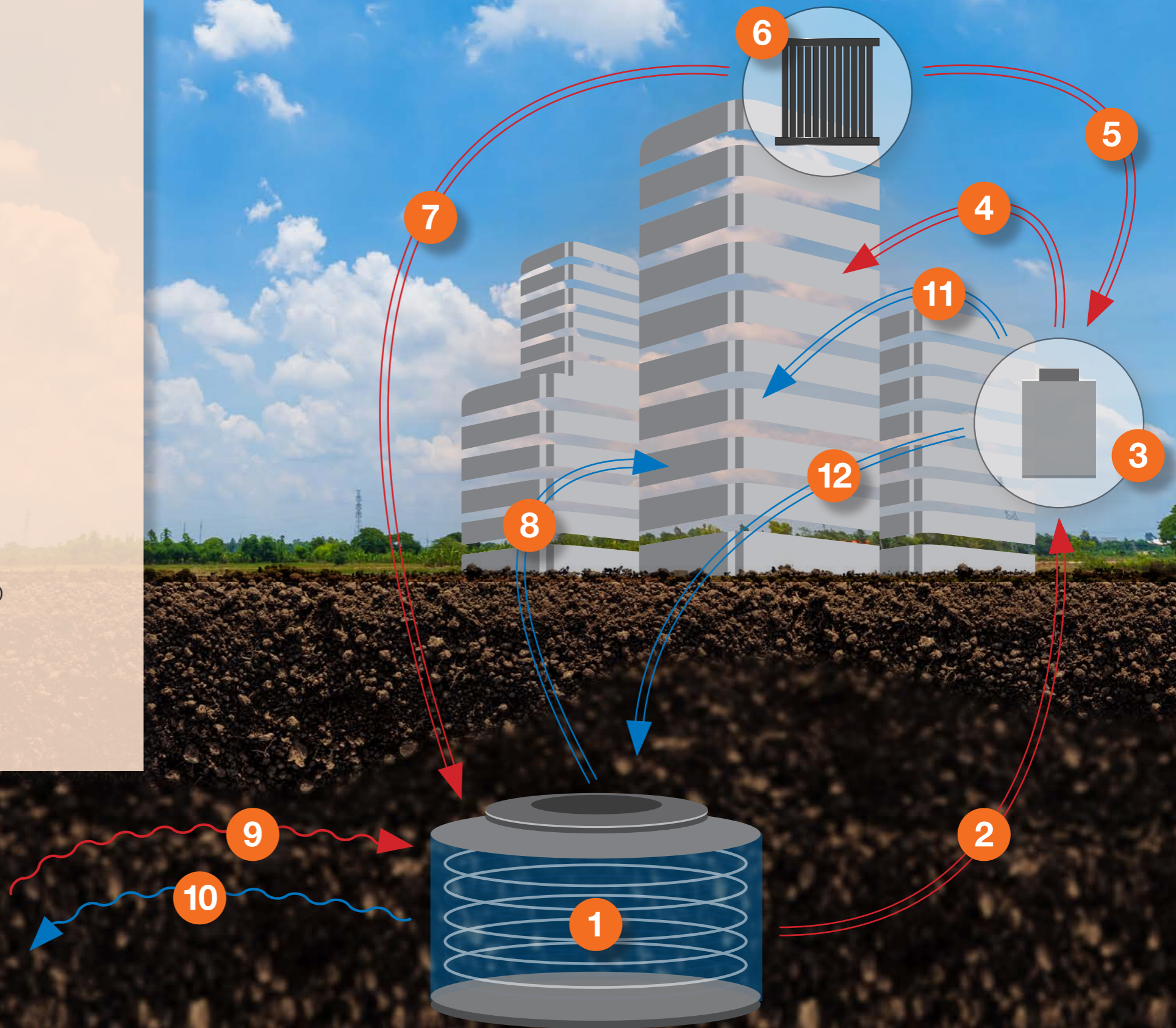
WITH THE SOLAREIS & CO PORTAL, RESIDENTS KNOW EXACTLY WHERE THEIR MONEY IS GOING. SOLAREIS & CO PROVIDES RESIDENTS WITH INSIGHT INTO:

- CURRENT CONSUMPTION
- CURRENT ADVANCE PAYMENT
- HISTORICAL USAGE
- METER READINGS
- USAGE GRAPHS
- INVOICE OVERVIEW
- EXPECTED FINAL BILL

This is
how it
works.

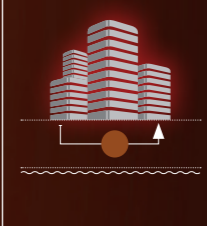
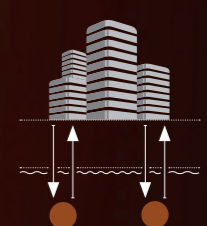
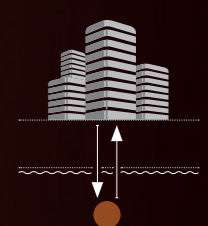
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the profitable
transformation.

- 1 SOLAREIS BUFFER
- 2 ENERGY / HEAT FROM THE BUFFER
- 3 HEAT PUMP AND CONTROLLER
- 4 ENERGY HEAT PUMP
- 5 ENERGY FROM COLLECTORS
- 6 AIR ABSORBER
- 7 ENERGY FROM COLLECTOR
- 8 ICE COOLING
- 9 HEAT EXTRACTION FROM THE GROUND
- 10 COOLING DISCHARGE TO THE GROUND
- 11 ACTIVE COOLING
- 12 ACTIVE COLD CHARGING



The facts at a glance.

Climate adaptation:
the profitable
transformation.

	 SolarEis	 Closed source	 Heat and cold storage
Heating with renewable energy	😊😊	😞	😞
No environmental damage from drilling	😊	😞	😞
No pollution from drilling	😊	😞	😞
Can be used without a permit	😊	😞	😞
No long-term performance loss	😊😊	😊	😊
No thermal soil contamination	😊	😞	😞
Future-proof	😊😊	😊	😊
Application in a smart grid	😊😊	😞	😞
Efficiency	😊😊	😊	😊
Utilization	😊😊	😊	😊
Maintenance	😊😊	😊	😊
Lack of legal monitoring of energy balances	😊	😞	😞
Thermal equilibrium in summer and winter	😊	😞	😞
Conversion of thermal energy into heating energy	😊😊	😞	😞
Alternative regeneration options	😊😊	😞	😞
Energy storage	😊😊	😞	😞

SolarEis

Garant.

NO NEED TO WORRY ABOUT

SOLAREIS GARANT MANAGES AND MAINTAINS THE TURNKEY-DELIVERED SOLAREIS INSTALLATIONS TO ENSURE OPTIMAL OPERATION BETWEEN THE SOLAREIS SYSTEM AND THE USE OF THE PROPERTY.

ACTIVITIES OF SOLAREIS GARANT

- COMMISSIONING OF THE SOLAREIS INSTALLATION. THE SOLAREIS INSTALLATION IS REMOTELY MONITORED THROUGHOUT THE YEAR, INCLUDING THE ENERGY FLOWS BETWEEN THE VARIOUS COMPONENTS OF THE SOLAREIS SYSTEM. MONTHLY OR QUARTERLY REPORTS ARE PREPARED BASED ON THE COMMISSIONING.
- REMOTE MANAGEMENT, TROUBLESHOOTING, AND RESOLUTION OF (MEASUREMENT AND CONTROL) TECHNICAL FAULTS.
- ANNUAL PERIODIC AND PREVENTIVE MAINTENANCE OF THE HEAT PUMP(S) AND CONTROL TECHNOLOGY.
- ANNUAL VISUAL INSPECTION OF THE SOLAREIS HEAT EXCHANGER SYSTEM AND THE SOLAREIS AIR ABSORBERS.

ADVANTAGES OF SOLAREIS GARANT

- THE REALIZATION, COMMISSIONING, AND ADJUSTMENT OF THE SOLAREIS INSTALLATIONS ARE ALSO CARRIED OUT BY SOLAREIS GARANT, ENSURING THAT SOLAREIS HAS 100% KNOWLEDGE OF THE SOLAREIS INSTALLATIONS.
- EVERY BUILDING IS DIFFERENT IN TERMS OF DESIGN, USAGE, LIFESPAN, AND LONG-TERM VISION. THEREFORE, SOLAREIS GARANT PROVIDES A TAILORED MAINTENANCE SOLUTION AND CONTRACT FORM FOR EACH SITUATION, ALIGNING WITH THE BUSINESS PROCESS AND ACHIEVING THE RIGHT BALANCE BETWEEN COSTS AND BENEFITS.
- SOLAREIS GARANT ALWAYS AIMS FOR EFFICIENCY IMPROVEMENT AND LONG-TERM (ENERGY) COST SAVINGS, EXPLORING OPTIONS TOGETHER WITH THE CLIENT. SOLAREIS GARANT THEN ADVISES ON THE BEST APPROACH THROUGH A COMMISSIONING PLAN, AS REDUCING ENERGY CONSUMPTION DOES NOT HAPPEN OVERNIGHT.
- THE INSTALLATION TECHNICAL MAINTENANCE OF THE SOLAREIS INSTALLATION IS MANAGED IN-HOUSE BY SOLAREIS GARANT.
- SOLAREIS GARANT ESTABLISHES PREVENTIVE MAINTENANCE BASED ON A MULTI-YEAR MAINTENANCE PLAN (MJOP), WHICH INCLUDES AN ESTIMATE OF THE REQUIRED FUTURE MAINTENANCE. PREVENTIVE MAINTENANCE TASKS ARE OFTEN STRAIGHTFORWARD, AS THIS APPROACH HELPS PREVENT MORE COMPLEX AND COSTLY MAINTENANCE. THE MJOP INCLUDES AN OPTIMAL MAINTENANCE SCHEDULE, CONSIDERING THE ASSOCIATED RISKS.

Knowledge and expertise

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PROJECTS

SOLAREIS OFFERS OPPORTUNITIES FOR EVERYONE—FOR TODAY, TOMORROW, AND THE FUTURE! HEATING AND COOLING BUILDINGS CAN BE ENVIRONMENTALLY FRIENDLY, SIMPLE, AND COST-EFFECTIVE WITH SOLAREIS.

THE PROJECTS LISTED ABOVE ARE THE TANGIBLE PROOF OF OUR SYSTEM, KNOWLEDGE, AND EXPERTISE.



Let's get started together!

CONTACT

INTERESTED IN OUR INNOVATIVE SYSTEM? WE ARE HAPPY TO INFORM YOU ON TECHNICAL, ECOLOGICAL, AND FINANCIAL ASPECTS—AT OUR OFFICE OR YOURS.

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