# Optimising the Future of Renewables

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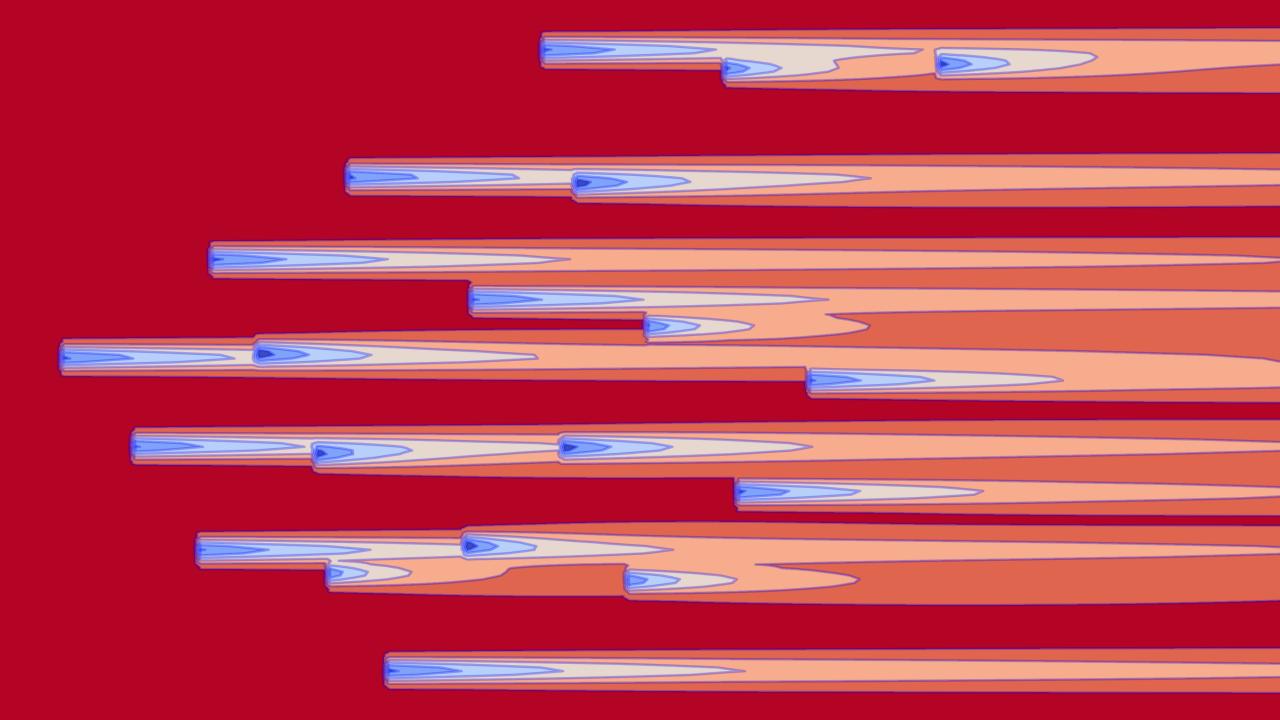




2?46DEC2= =6 FCD 2C6 E98P89B E9 92G6 @C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-'b\_ >J2X[ 2?5 x?5:2 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 @C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-'b\_ >J2X[ 2?5 x?5:2 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-'b\_ >J2X[ 2?5 x?5:2 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-'b\_ >J2X[ p?E2C4E:42 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P89B E9 92G6 &C:8:? E96:C WO'e\_ >J2X[ p?E2C4E:42 WOg\_-h\_ >J2X], ab., ac. 5:746 2?46DEC2= =6 2C6 E98P8B E9 92G6 &C:8:? 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f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 2AAC@I:>2E6=J \_\_ DA64:6D 2? f DA64:6D :? 6:89E 86?6C2(,b'.,bb.,bg. <?@H? 4@==64E:G6=J 2D E96 DF37@DD:= =6>FCD] |@DE @7 E96 DF37@DD:= =6>FCD] |@DE @7 E96 DF37@DD:= =6>FCD] | E96 DF37@DD:= E 492?86[ 6IE: 74E: @?D 2C6 =: <6=J E@ 4@?E:?F6], bh. 6? 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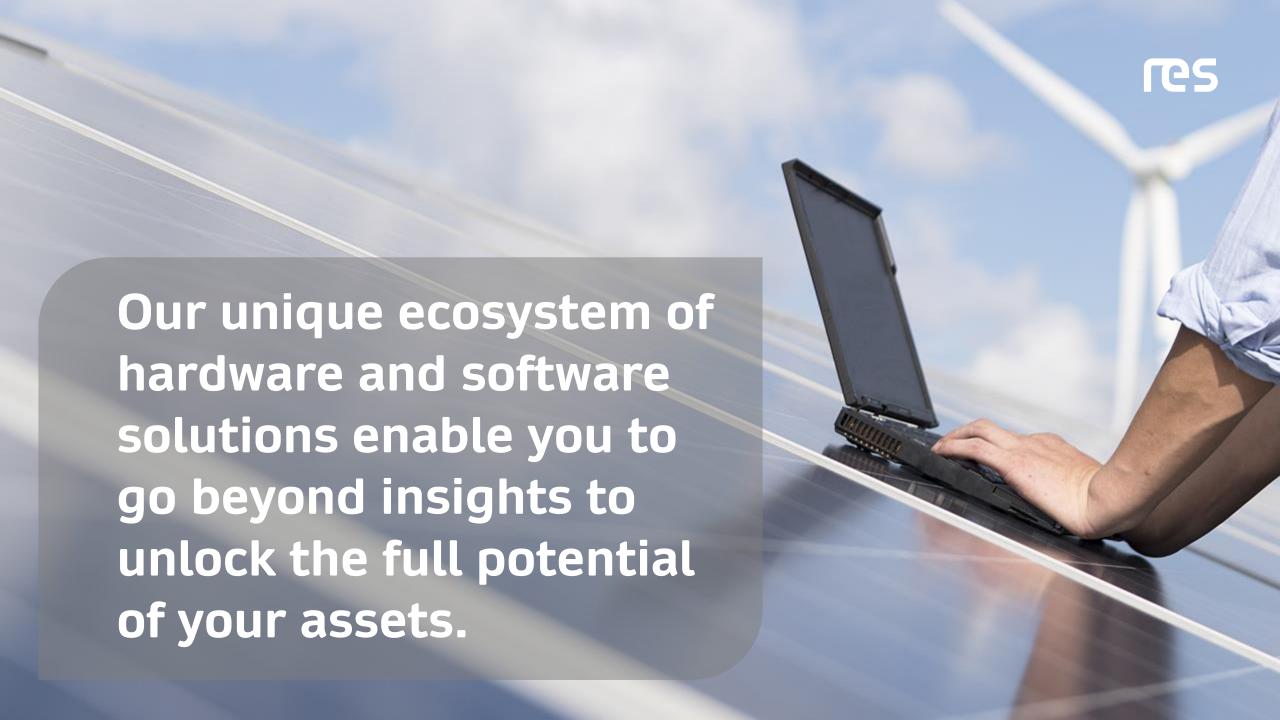
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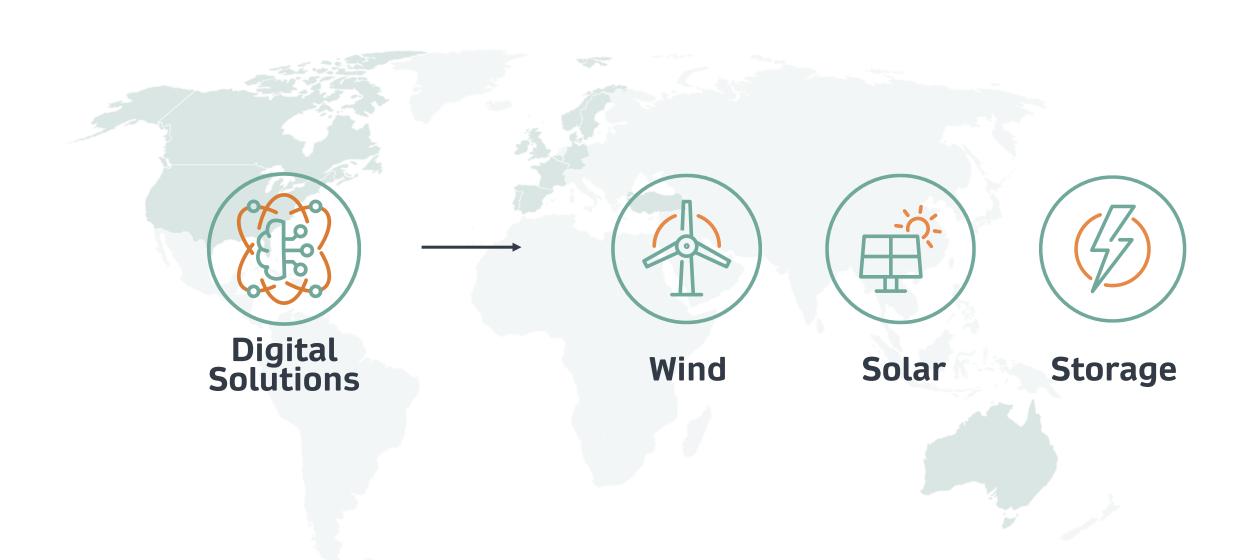






# Our technical heritage sets us apart













#### STABILISE

Harness the power of your data to baseline your asset performance and stabilise your operations

#### MAXIMISE

Realise your full asset potential within the original design parameters, increase availability of your assets, and lower performance costs

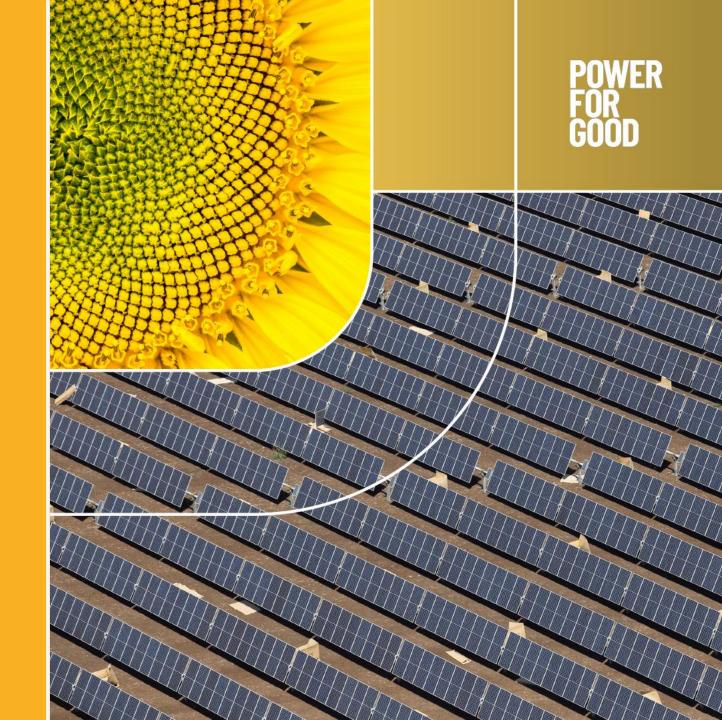
#### **OPTIMISE**

Go beyond original equipment design to set new operational ambitions to elevate the yield potential of your entire farms

#### ACCELERATE

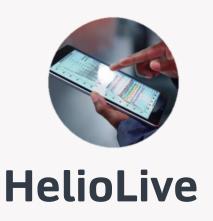
Subject matter expertise and digital prowess at your service and suited to your needs

# Digital Solutions for Solar



## **Software and Hardware Product Offerings**





Couple seamless data acquisition with models and analytics born from solar engineers



**Optivert** 

An intelligent inverter temperature management system, reducing IGBT module replacement costs and increasing production by up to 20% on hot days



# Remote inspection

Integrated offerings that streamline maintenance and inspection activities, removing humans from transportation risks and enable early detection of micro-cracks



# **Safety**

Leveraging software and hardware technology to take humans out of harms way

# HelioLive – unlocking the power of your data

A monitoring, performance analysis & optimisation solution that offers reliable data, fast response time, and deeper insight for your solar assets.

- A solar asset detailed "health check"
- Hands-on, tangible operational performance metrics
- Root cause engineering
- Mitigation of performance issues & measurable improvements





# **OptiVert**

An intelligent inverter temperature management system, reducing IGBT module replacement costs and increasing production by up to 20% on hot days

- Smart temperature control from inverter optimisation
- IGBT trips reduced
- Up to 20 times reduced IGBT fatigue damage





# Solving industry problems with innovation





+80% time saving

~\$200/mw

Off-the-Shelf

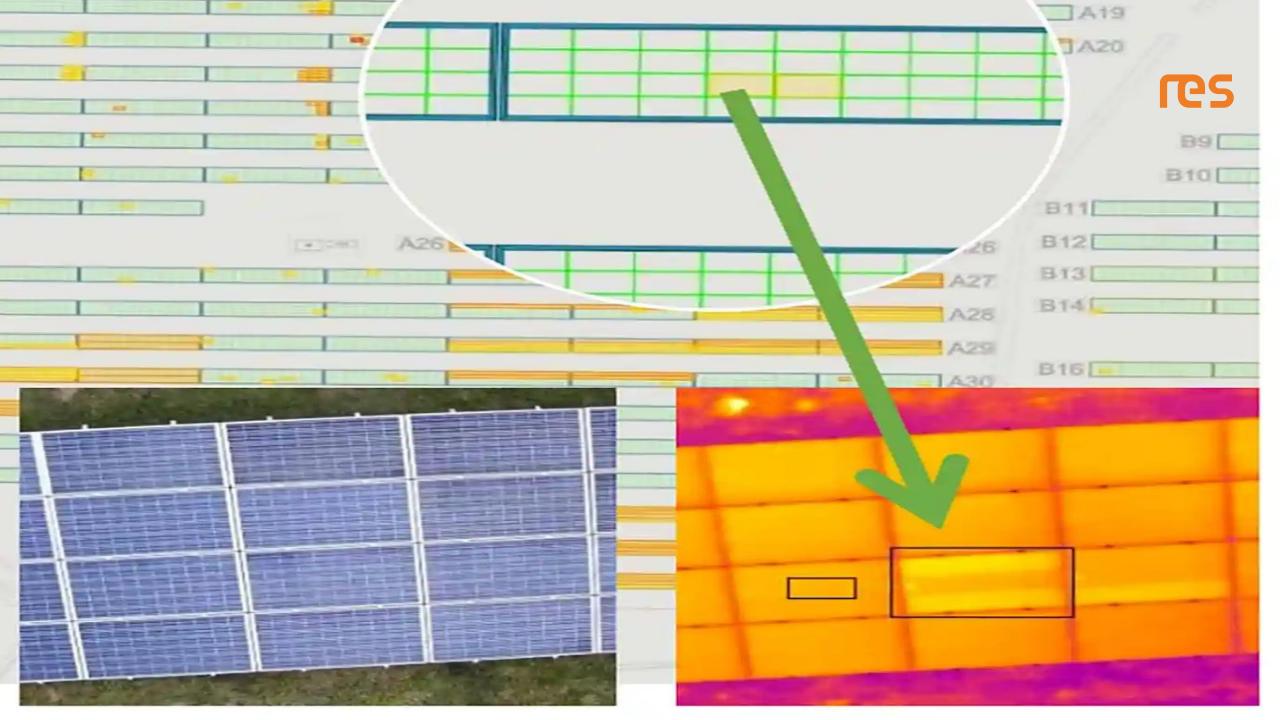


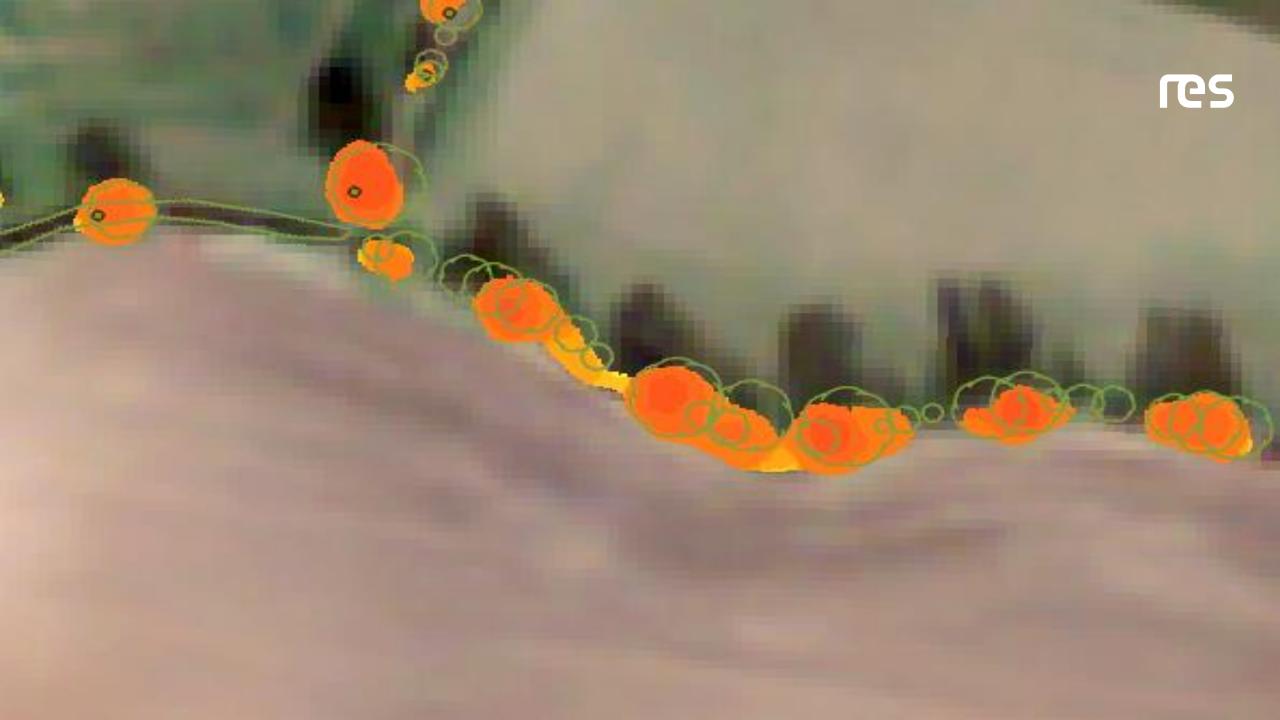




Unlocked value in warranty claims

Medium Risk Medium Payoff









# Digital Services



## **Digital Services Offerings**





# Data Hydration

Unlock your data's true potential. Our hydration services enrich raw datasets, adding valuable context and insights for smarter decisions and innovation. Stay ahead in the data-driven world with us



# **Dashboards Analytics**

Lay the groundwork for efficiency with our tailored data solutions. Lay the groundwork for impactful visualizations and analytics, driving optimization across your organization.



# **Advanced Services**

Accelerate your digital strategy with our comprehensive services for data literacy, program management, data governance & policy, data health & quality, bespoke technical solutions & software, offline studies / data science, & expert product services.

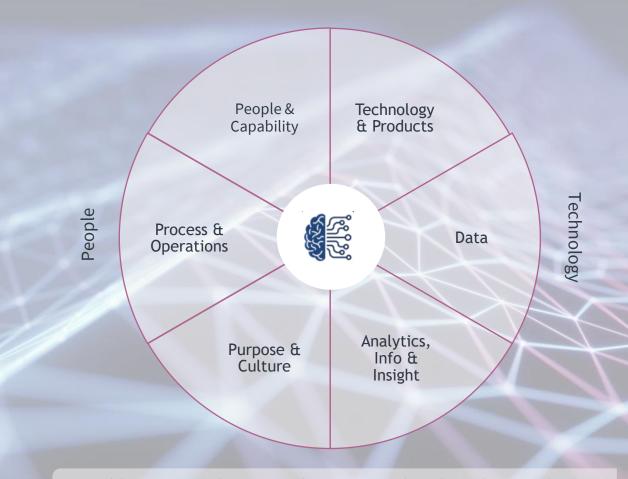




## **Why Advanced Services?**

- Your business is unique and complex
- Deployment and adoption are challenging
- Skills gaps can lead to an under-realisation of value in digital tools
- Stay at the cutting edge of AI and machine learning





Digital-first projects and programs achieve outcomes faster by implementing humancentric digital solutions which support new ways of working.

Digital Solutions for Wind



## **Software and Hardware Product Offerings**





#### **Yaw Control**

Optimise overall wind farm production instead of individual turbines by steering turbines and sharing data, increasing production by 1-3%



#### AeroUp

Install blade furniture to decrease drag and increase lift, increasing production by 1-5%



### TuneUp

Tune the turbine controller for site specific conditions, increasing production by 0.5-2.5%



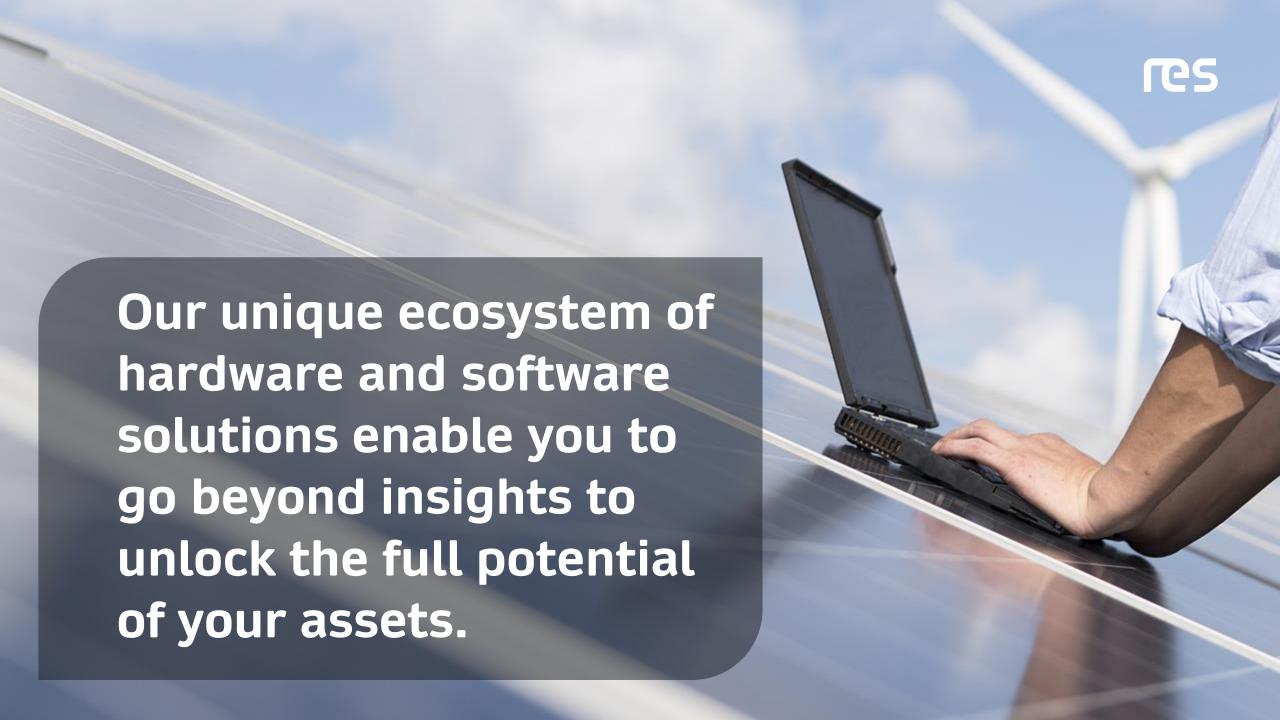
#### **AnemoLive**

Unlock the power of your data – optimise production & lower operations costs



### **Safety**

Leveraging software and hardware technology to take humans out of harms way



### **Our Portfolio at a glance**







**HelioLive** 

Couple seamless data acquisition with models and analytics born from solar engineers



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# Partner with us to unlock the true value of your assets.

POWER FOR GOOD

Contact our team today to learn more.





Scan the QR code with your phone to

Leave us your details & complete the survey to join us in creating digital solutions