

ALENSOFT

SMART

Cloud Based Energy Management System

atandra
measure. protect. conserve



WHAT ARE YOU LOOKING FOR?

5 Questions
1 Solution



1

Conservation
of Resources?



2

Stability
of Ecology?



5

Profitability
of Business?



4

Efficiency
in Operations?



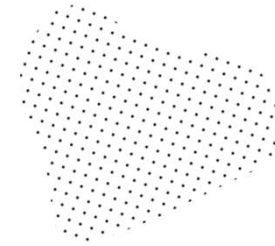
3

Compliance
with Governance?

OBJECTIVES - CONSERVATION OF RESOURCES



Energy and resource savings are not only good for cost savings in the short terms, but also play a key role in creating for a **sustainable environment for future generations**

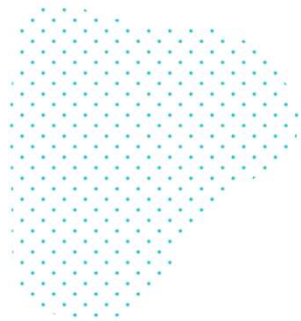


WHY SHOULD YOU THINK OF SUSTAINABILITY & CONSERVATION?

OBJECTIVES - STABILITY OF ECOLOGY



A key guiding principle for any responsible corporate is to be conscious of the **environmental and ecological impact of its operations**



**GREATER SATISFACTION FOR
MANAGEMENT OF HAVING
CONTRIBUTED IN THE AREA OF
SUSTAINABILITY & CONSERVATION**

OBJECTIVES - COMPLIANCE WITH GOVERNANCE



Compliance to global standards like **ESG** (Environmental, social and governance), **GHG** (Greenhouse gases) Protocol or the Net Zero Standard or adherence to the **ISO50001** standard creates a positive image of a responsible and environmentally conscious organisation which delivers on its commitments



RESPONSIBLY MEETING COMPLIANCE NEEDS

OBJECTIVES - EFFICIENCY IN OPERATIONS



Delivering on commitments means **consistently benchmarking** operations to ensure peak performance by studying deviations and acting on them relentlessly



BETTER CONTROL ON OPERATIONS

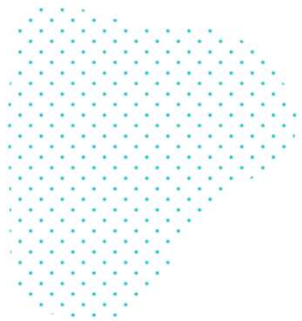
OBJECTIVES - PROFITABILITY OF BUSINESS



Streamlined operations not only deliver by creating a **dynamic & conscious organisation culture**, but also add **significant gains to the bottom line**



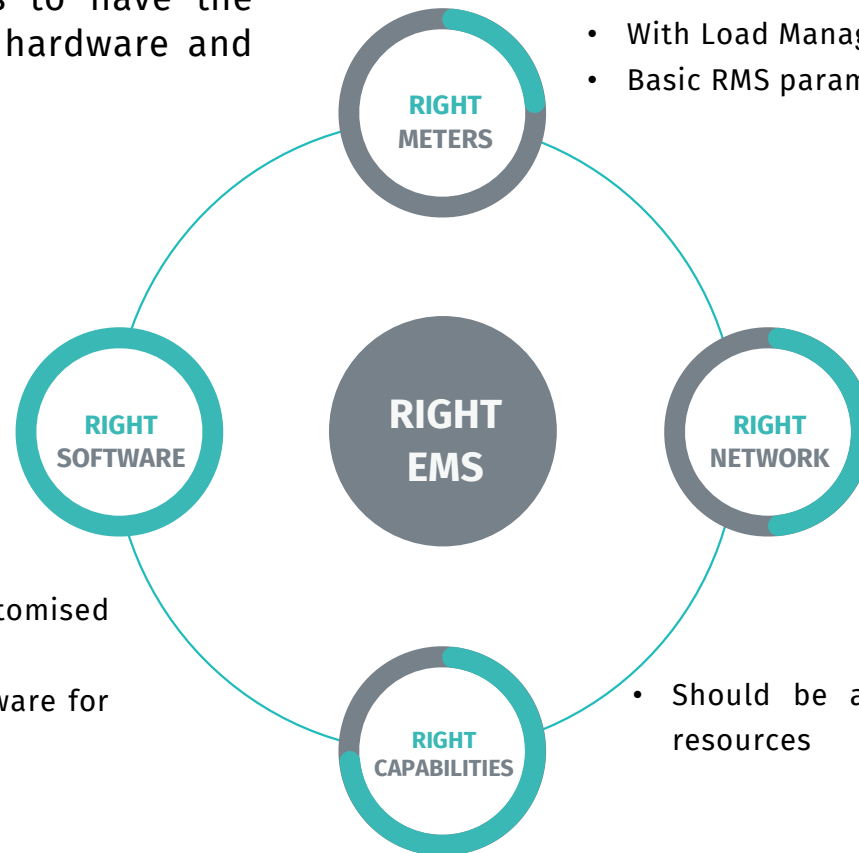
A DOLLAR SAVED IS
A DOLLAR EARNED



TO ACHIEVE YOUR GOALS, YOU NEED THE RIGHT EMS



To achieve the above stated objectives and benefits, one needs to have the right EMS with the right hardware and software.



- Accurate on Non-Linear loads
- With Load Management features
- Basic RMS parameters for analysis

- Reliable with DCUs
- Easy to plugin and scalable
- Multiple network types/Protocols

- Should be flexible
- Should generate auto reports
- support for generating Customised reports
- Should integrate multiple software for enterprise dash boards

- Should be able to plug-in Multiple energy resources



RIGHT METERS

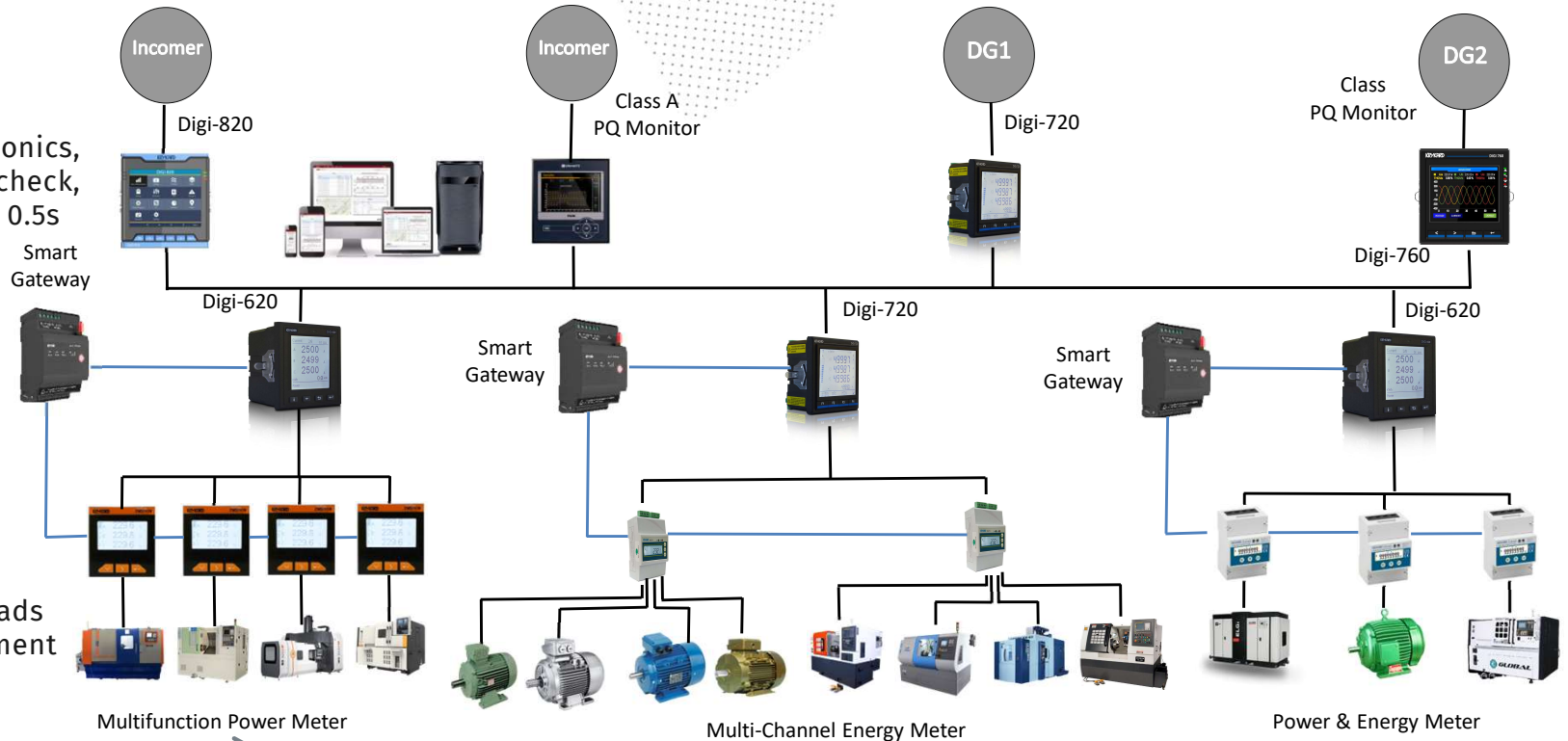
SOFTWARE INTEGRATION



Power Quality, TOU, Harmonics, Demand Control, EB Cross-check, PF Control Class 0.2s / Class 0.5s

PF & Demand Management, Harmonics, Distribution Losses, Energy Accounting Class 0.5s

- Accurate on Non-linear loads
- Load-end Energy Management
- Class 0.5s



90% Energy Losses happen here

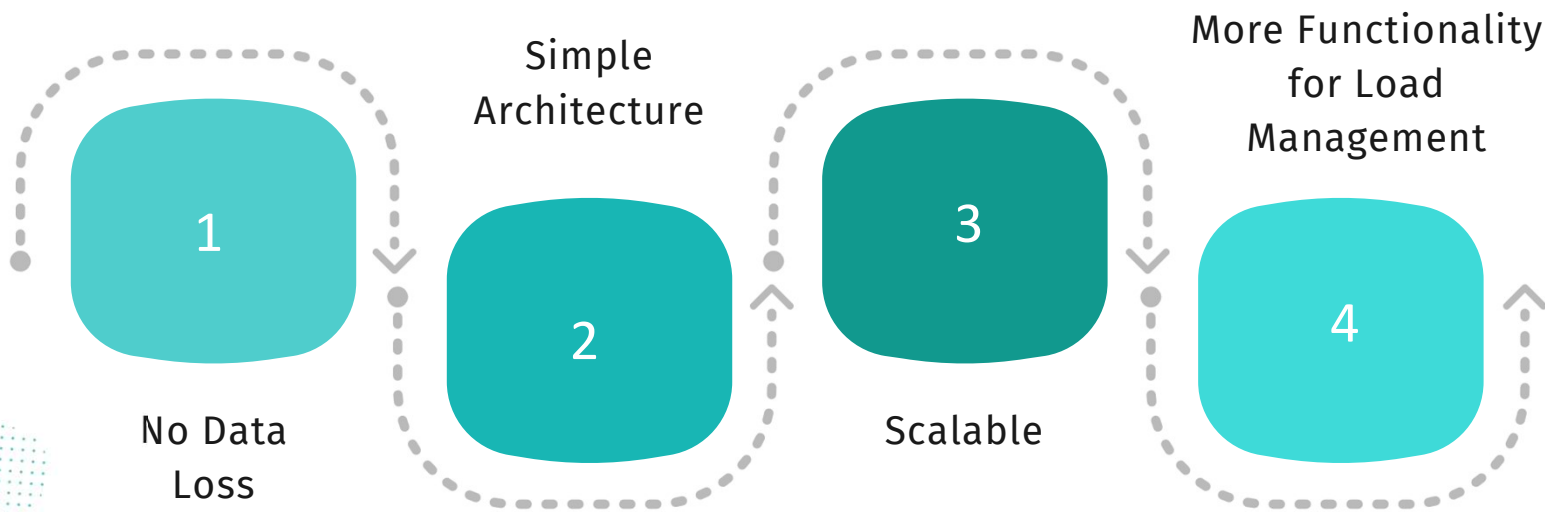
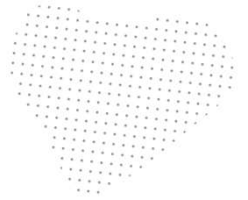
Choose the right meters especially at those locations where most of your losses take place **LOADS**

RIGHT NETWORK



No Data Loss, Simple yet Scalable

⚡⚡⚡ The Right Network uses the right Gateways and appropriate network topologies to enhance the quality and accuracy of data significantly and plays a key role in accurate data analytics.



RIGHT NETWORK



Uses appropriate communication mediums with high data reliability under different environmental conditions and topologies, but does so with high cost effectiveness.



Shielded Twisted Pair
1200m



Ethernet
100m



Fibre Optic
40km



**LORA/WIFI/
Wireless**
2500m

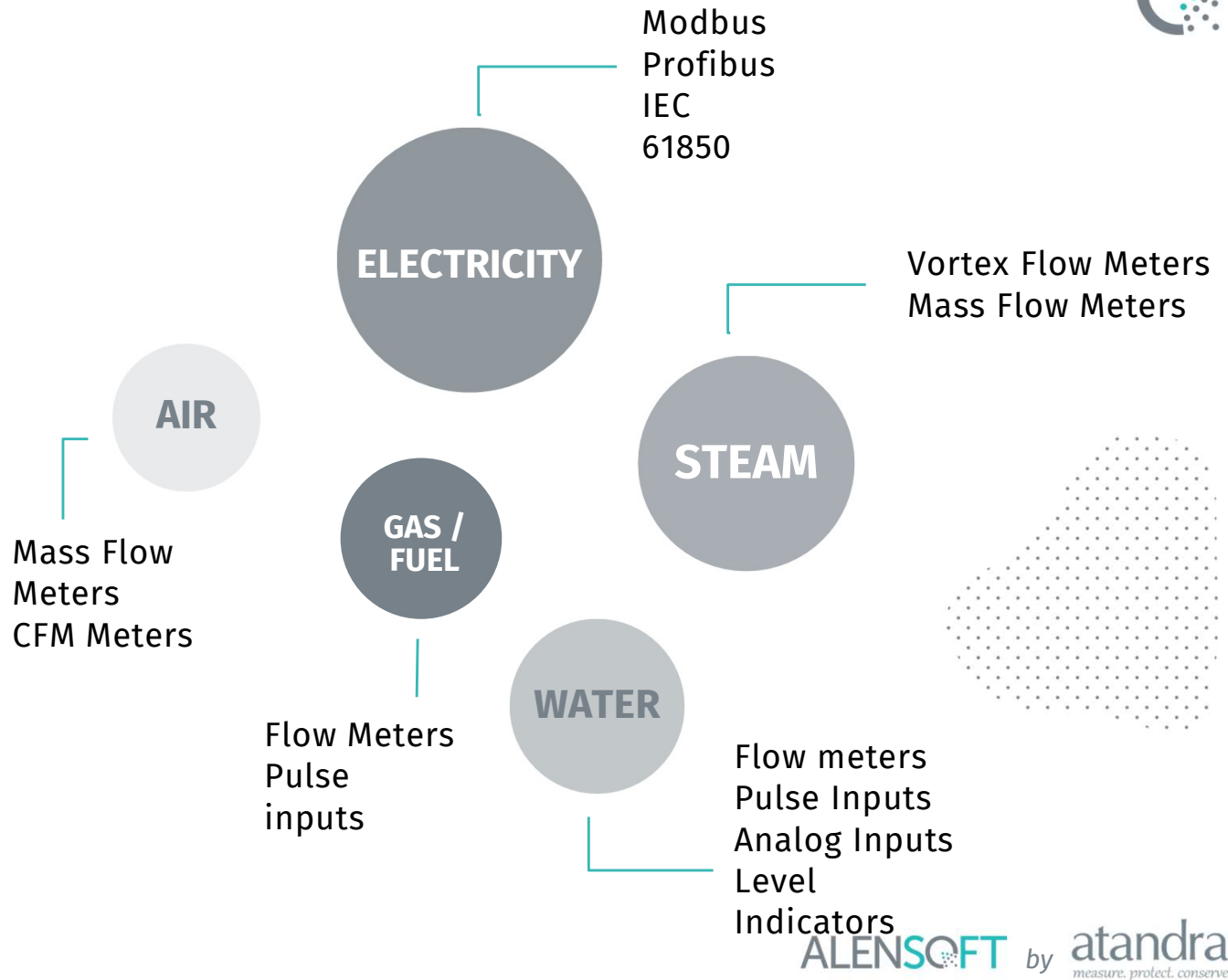
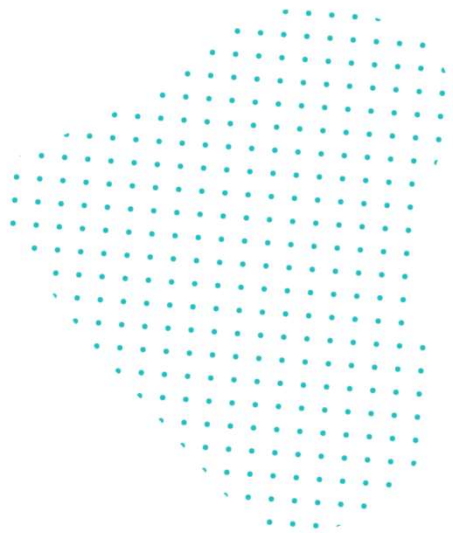


Cellular
Unlimited

RIGHT CAPABILITIES

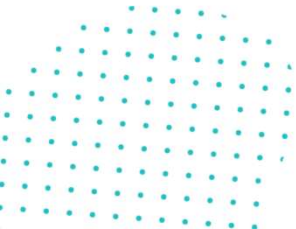
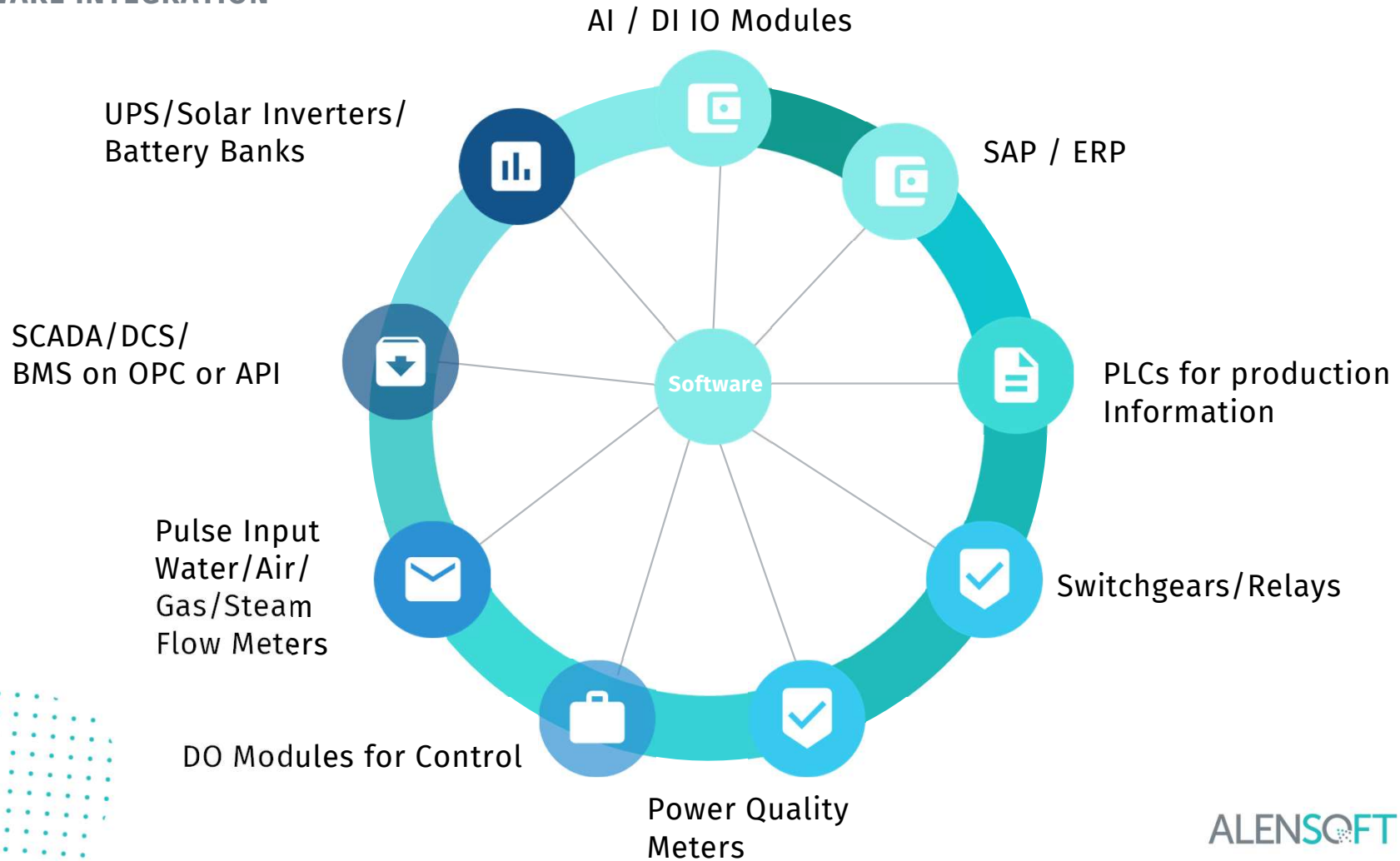


Should be able to Integrate data from any key resource monitoring meter for comprehensive energy & resource management



RIGHT CAPABILITIES

SOFTWARE INTEGRATION

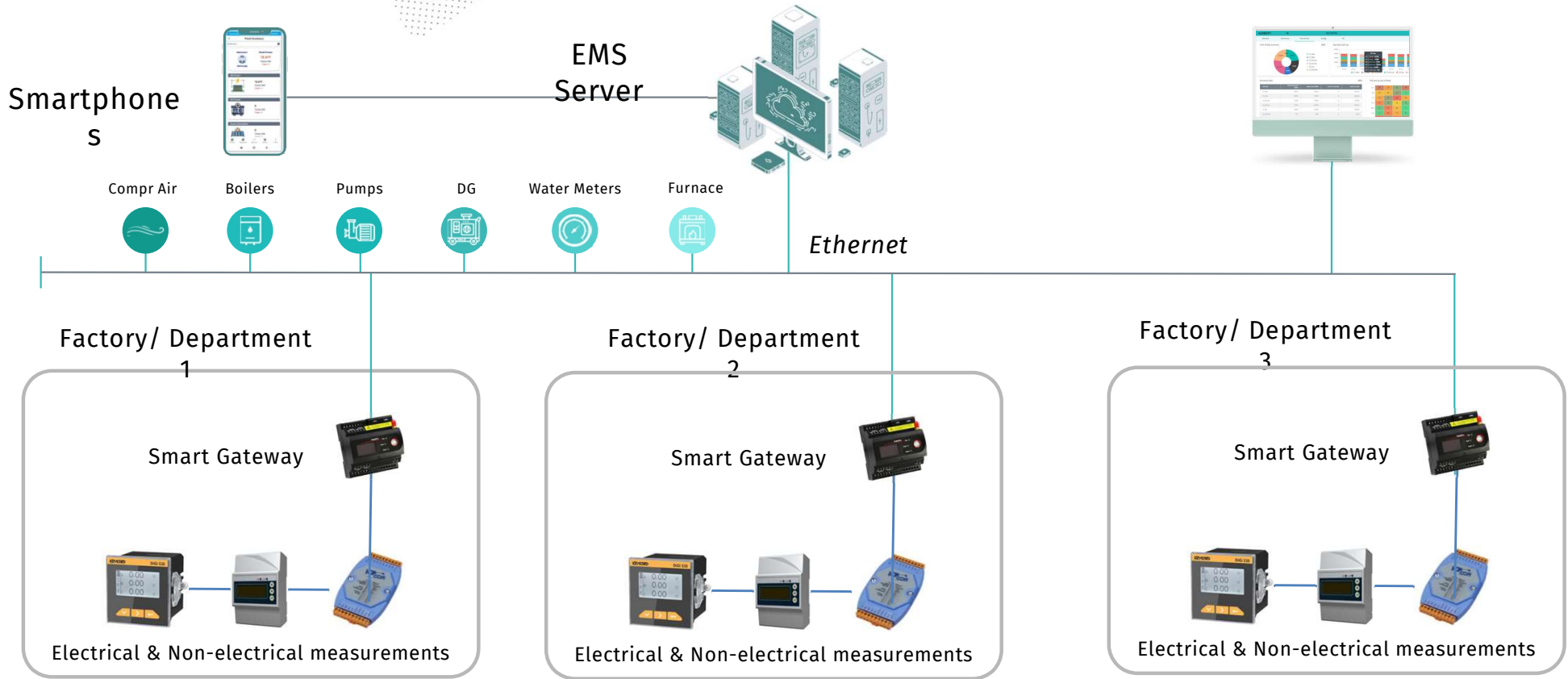
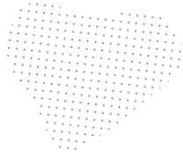


RIGHT CAPABILITIES

SYSTEM ARCHITECTURE



Should have a scalable and comprehensive system architecture, across resources and across factories



RIGHT SOFTWARE



Right Software with function of Data Analytics should capture insights that you would normally miss and help you dig problems from large amounts of data and see only actionable data

Right action leads to conservation of time and energy



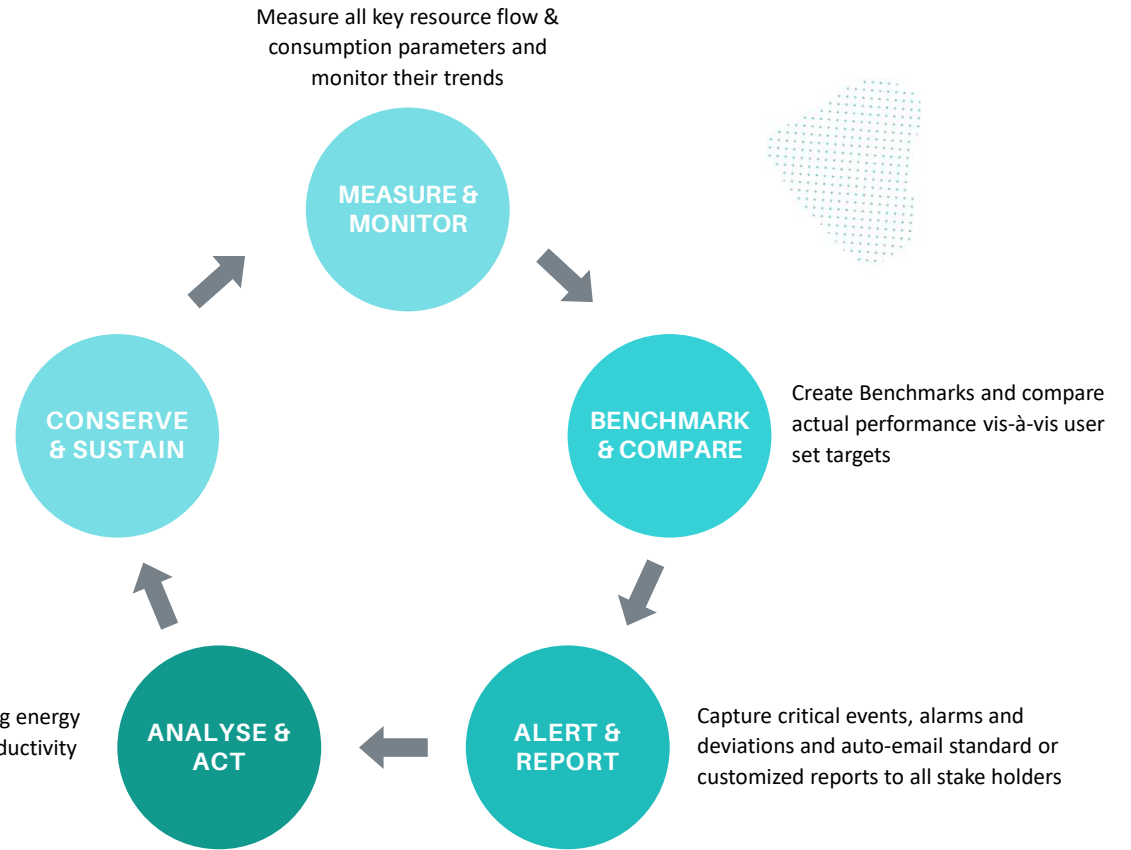
Get deeper insights for improving energy efficiency, maintenance and productivity and act accordingly

Measure all key resource flow & consumption parameters and monitor their trends



Create Benchmarks and compare actual performance vis-à-vis user set targets

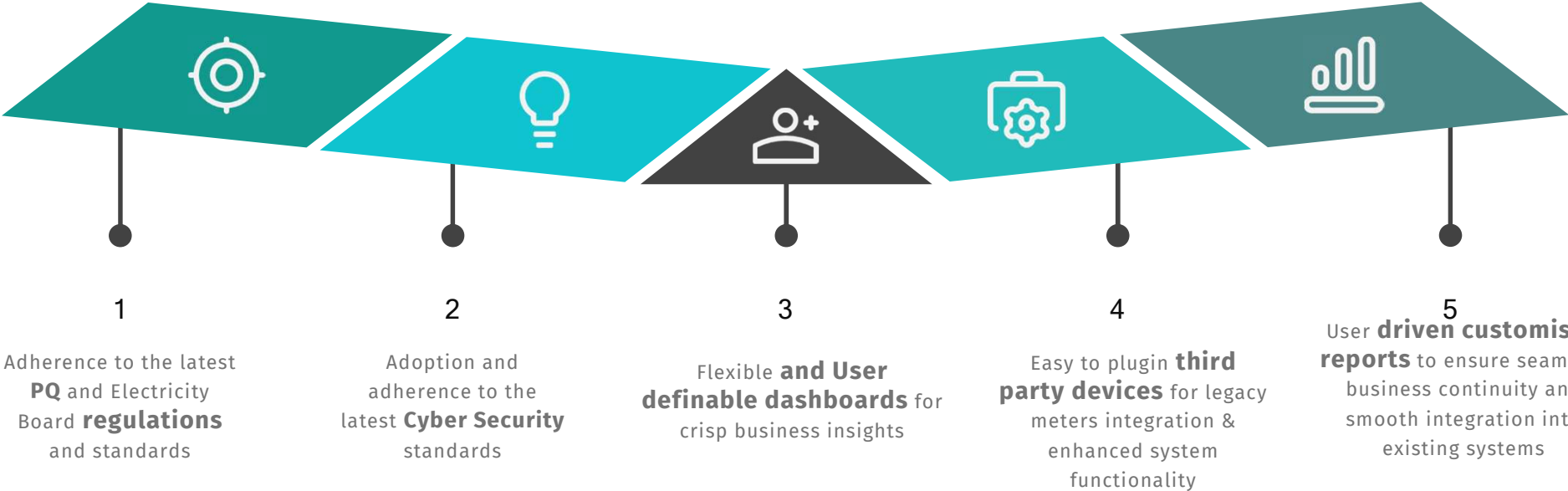
Capture critical events, alarms and deviations and auto-email standard or customized reports to all stake holders



RIGHT SOFTWARE



Comprehensive Functionality



RIGHT SOFTWARE



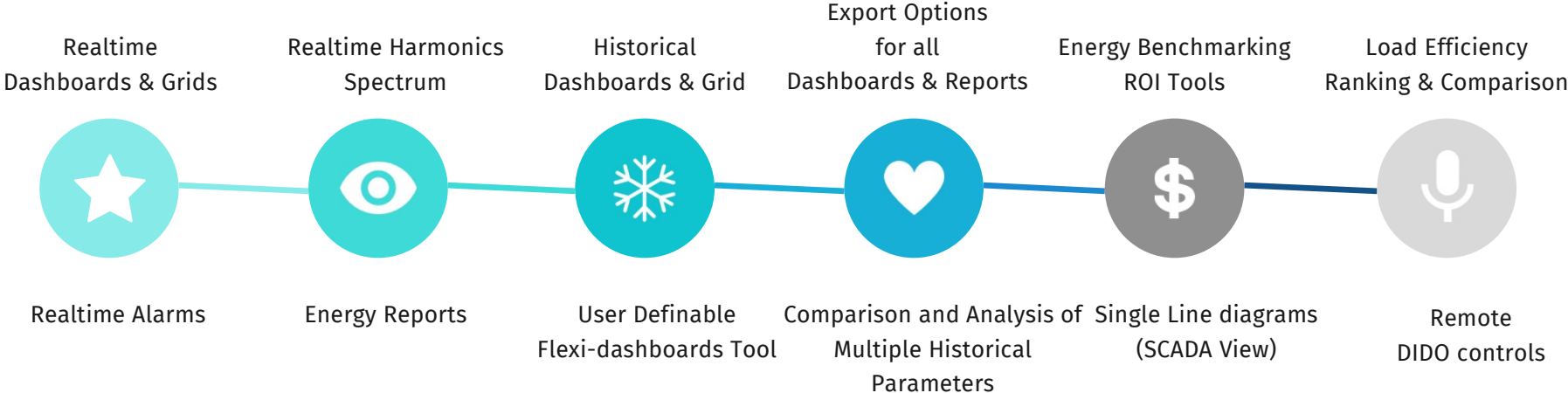
Goal Oriented Applications



RIGHT SOFTWARE



Power Packed Features

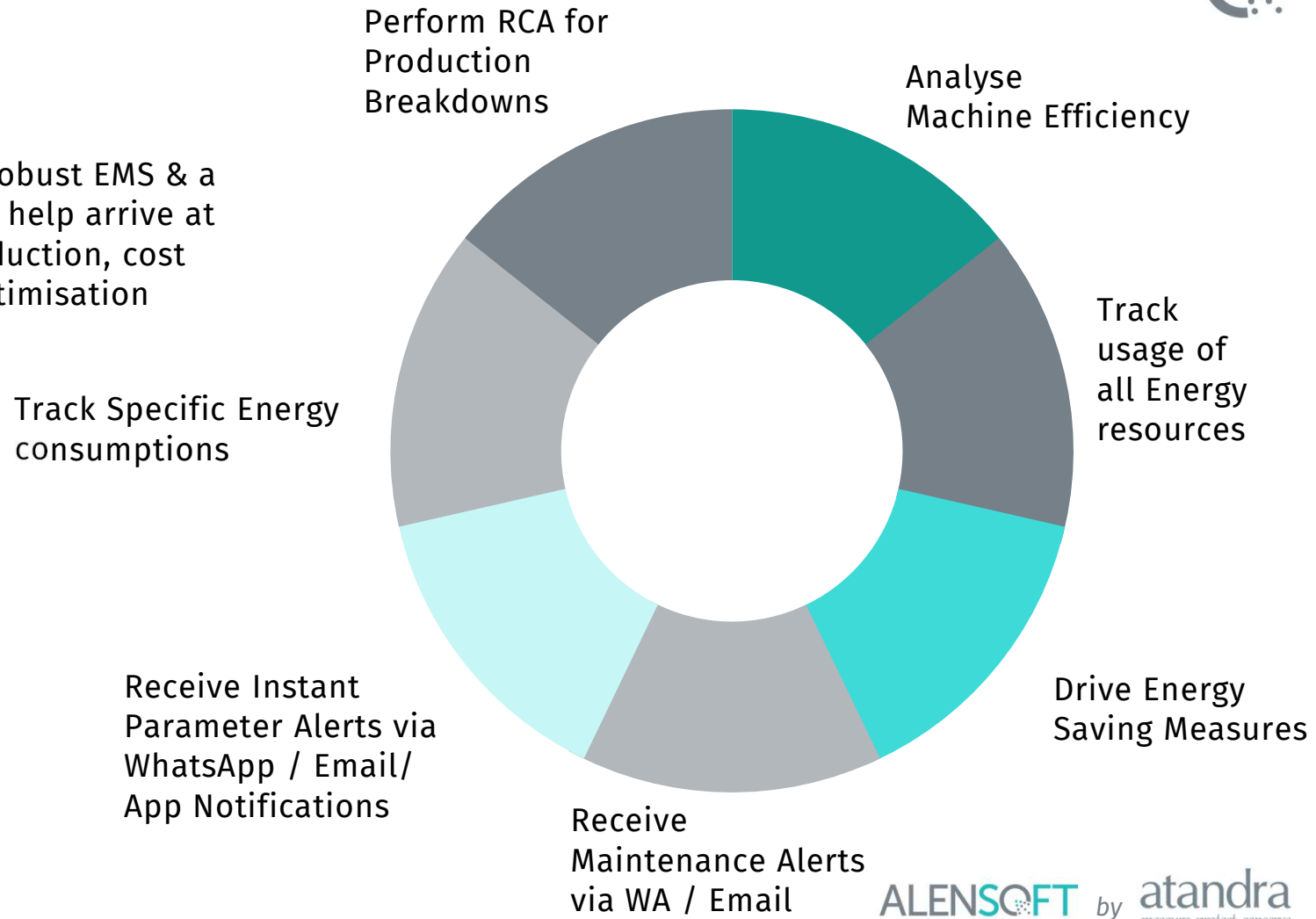
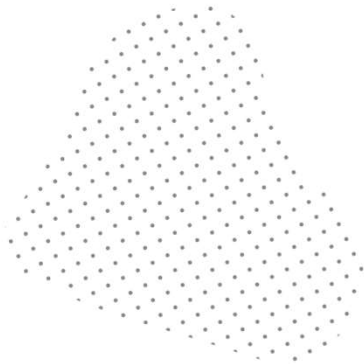


RIGHT CAPABILITIES

INCISIVE ANALYTICS



The perfect combination of a robust EMS & a powerful Analytics Module will help arrive at actionable insights for loss reduction, cost saving & process efficiency optimisation

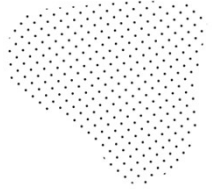


OUR SOLUTIONS



We offer solutions to industrial and commercial establishments under our popular brand KRYKARD.

- Over 400,000 installations of Power Conditioners
- Over 100,000 installations of Portable and Panel Load Managers
- More than 200 EMS networks
- More than 400 employees
- More than 80 service centers



MEASURE

Portable Energy & PQ Analysers



1 CT to 4 CT Analysers

Energy Management Meters



Energy, Demand & PQ Meters



PROTECT

Servo Stabilisers & Isolation Tx



1kVA to 2000 kVA

Online UPS



1kVA to 300kVA



CONSERVE

Energy Management Systems



Desktop and Cloud based Solutions

Production Monitoring Systems



Desktop and Cloud based Solutions

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ALENSOFT by **atandra**
measure. protect. conserve

ALENQFT

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https://alensoft.co.in/ems/demo/



Make the SMART Choice

