

wakefield-vette

APPLICATIONS

Commercial High Bay
Lighting LED Heat Sinks



Structural/ Architectural
Extrusions



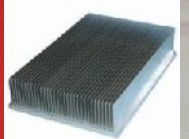
Thermal Solutions for
Automation/Machinery



Thermal Extrusions for
Battery/Drive Pack



Thermal Solutions for
Industrial Controls



Universal Joint for Vehicle
Steering



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INDUSTRIAL &
AUTOMATION



Motor Drives/Inverter

AC Servo Motor and
Drive

Temperature & Speed
Controller

Programmable Logic
Controller, PLC

Plasma/Welding
Machines

High-Speed Motion
Control System

Industrial Power
Supply

Conveyor Systems

Industrial Printing
Units

Woodworking
Machinery

Valve Controls

Fork Lift Lithium Ion
Battery Packs

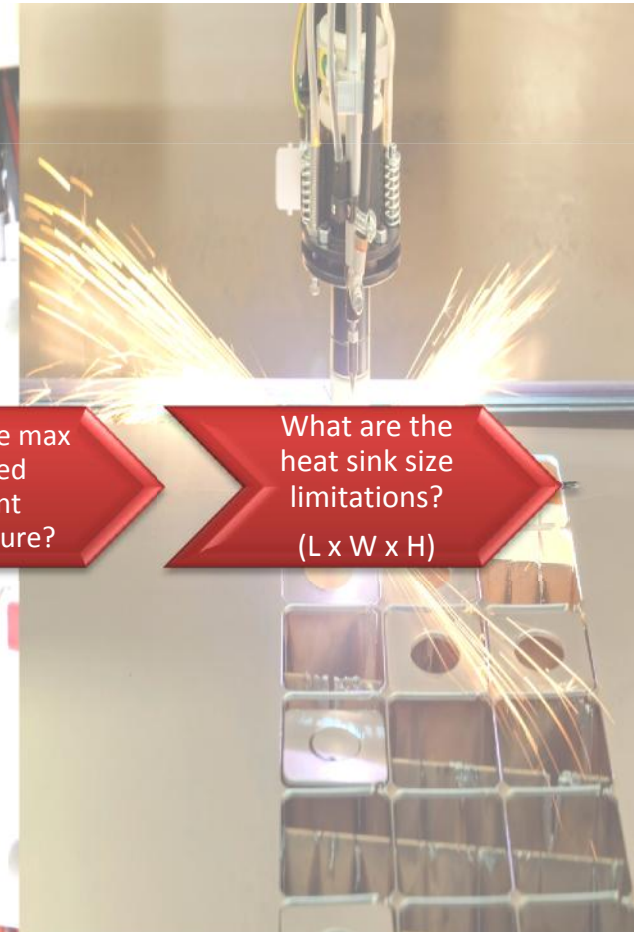
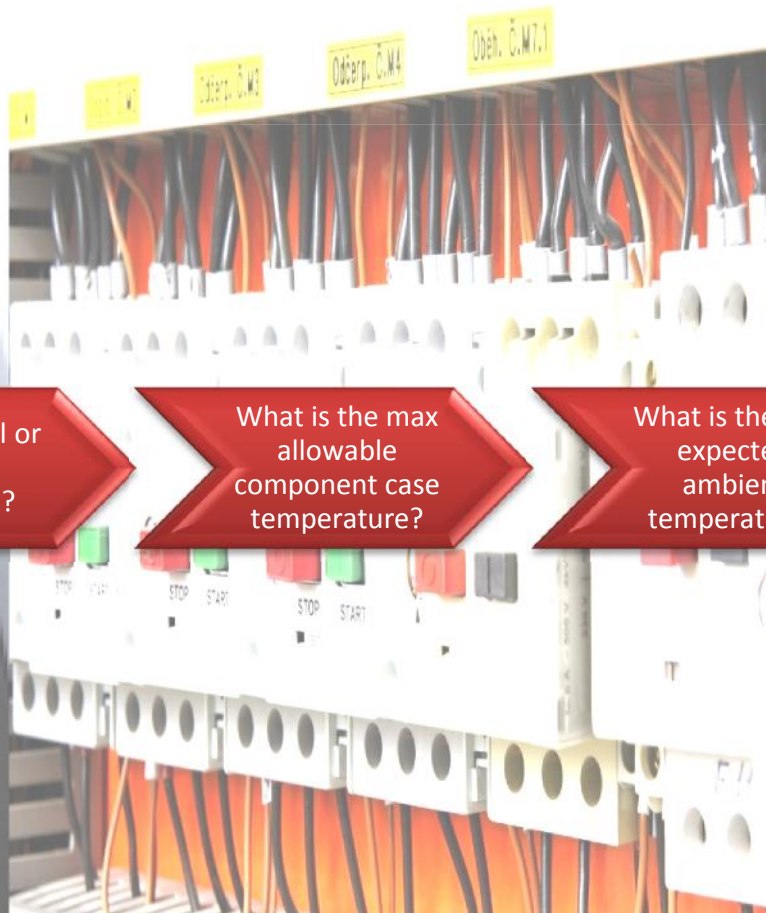
How many watts
of power to be
dissipated?

Is this natural or
forced
convection?

What is the max
allowable
component case
temperature?

What is the max
expected
ambient
temperature?

What are the
heat sink size
limitations?
(L x W x H)



AVIONICS

Radar & Surveillance:
Heat Pipes & Liquid Cold
Plates



Thermal Extrusions for
GPS/Monitoring
Systems



WedgeLock
Card Retainers



Custom Front Panels



Shock and Vibe Resistant
Heat Frames



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AVIONICS



GPS Units

Radar Systems

Missile Defense
Systems

Communication
Systems

Electromagnetic
Cooling

Ruggedized
Enclosures

On Board
Entertainment
Systems

Personnel Cooling
Devices

Cosmetic Extrusions

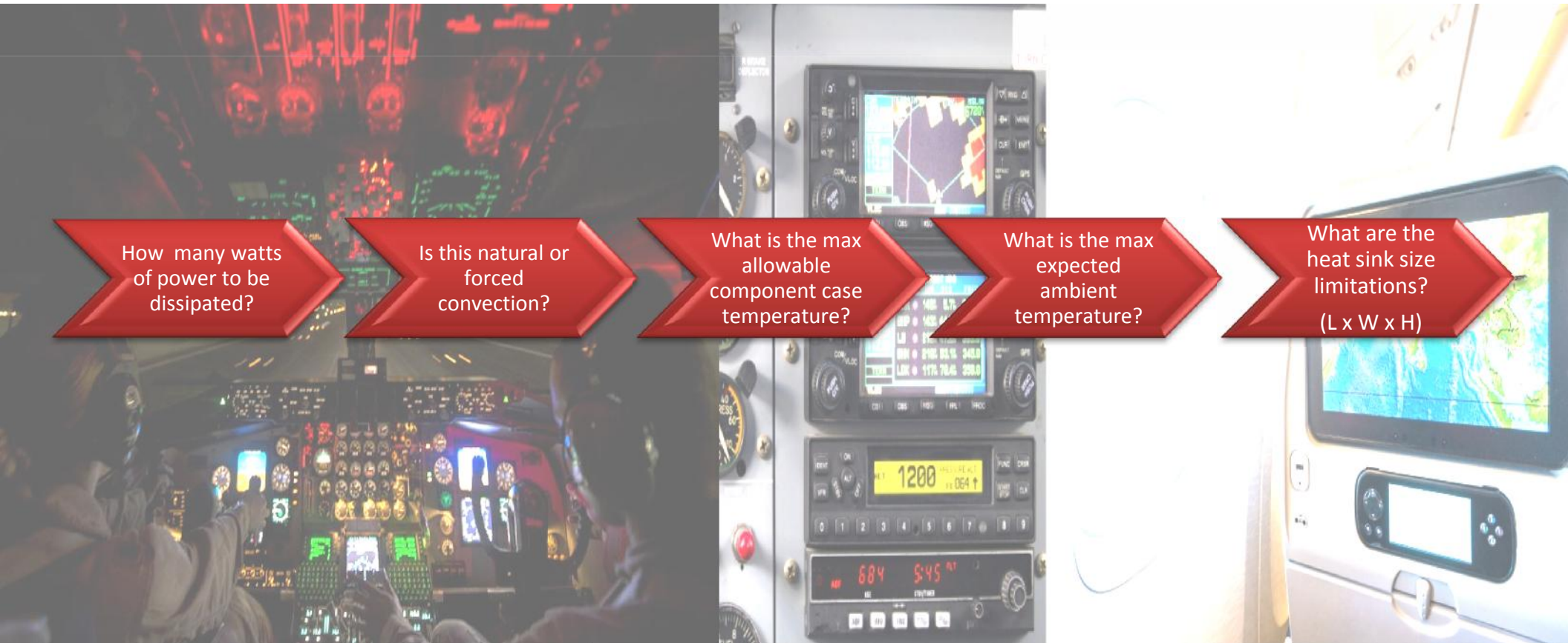
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INFORMATION TECH & NETWORKING



Heat Pipe
Technology

Front Panels, &
Wedge locks for
Chassis



Board Level
Heat Sinks



Structural Aluminum
Extrusions for
Racking Systems



Chip Set Heat Sinks
for Board Level
Cooling



Heat Exchangers



Sheet Metal/
Aluminum
Enclosures



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IT & NETWORKING



Servers

Storage

Supercomputers

PC, Laptop, Main
Frames

Networking

Routers

Switches

Data Center

Aluminum Rack
Mount Systems

Power Surge Strip

Chassis

Cloud Computing

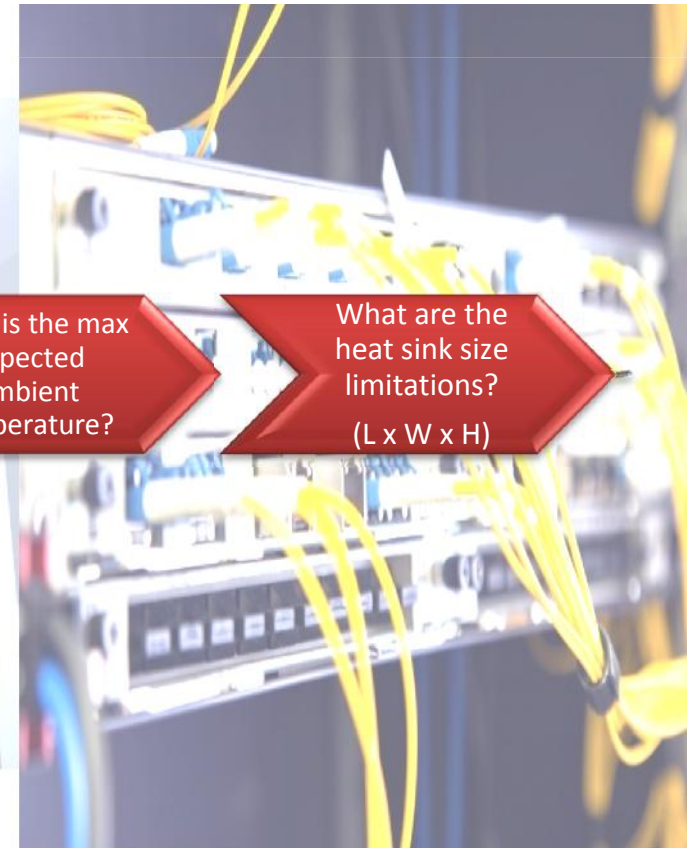
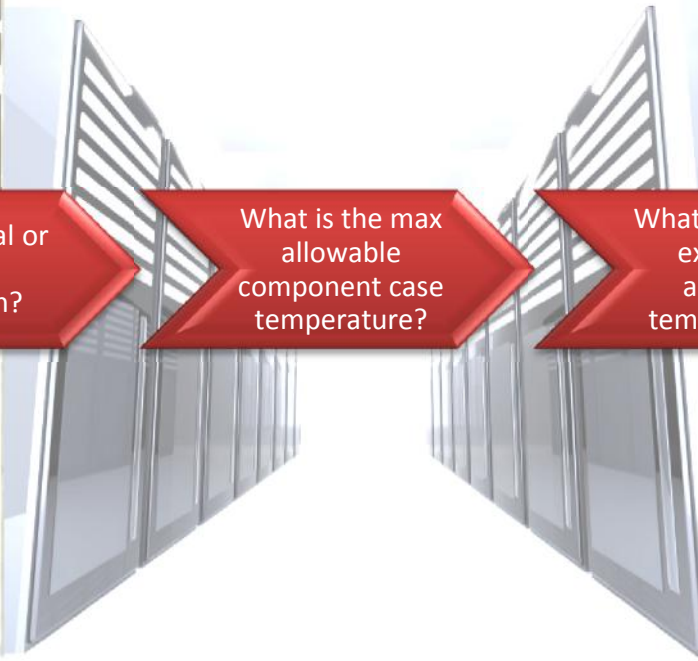
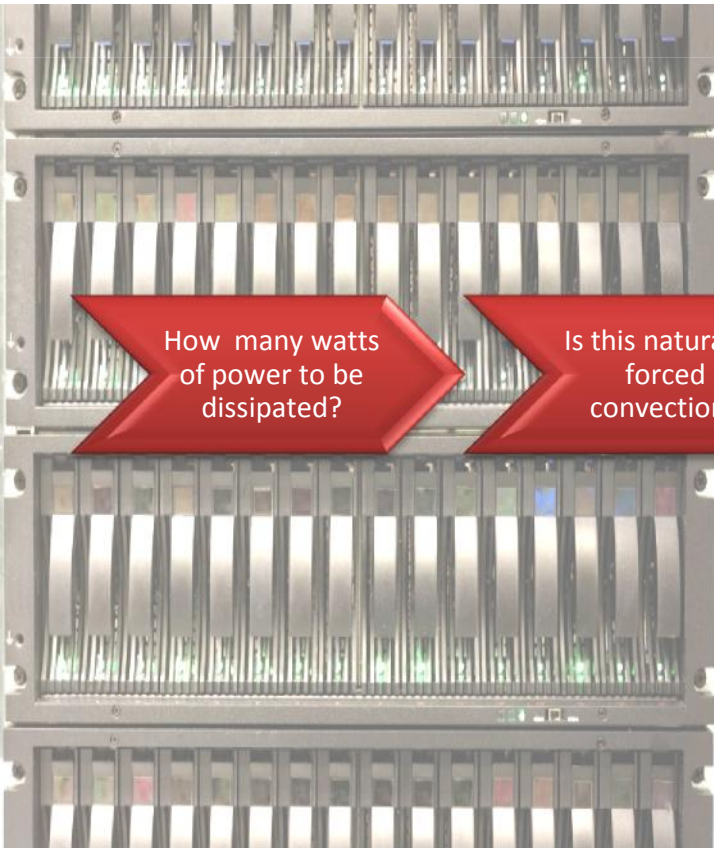
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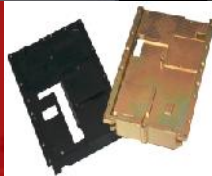
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MEDICAL

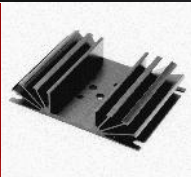
Heat Frames, Front Panels, Enclosures for Ruggedized Devices



Commercial LED Heat Sinks



Thermal Extrusion Heat Sinks for Electronic Medical Devices



Liquid Cooling for MRI/XRAY Machines



Aluminum Extrusions for Operating Bed Frame & Clamps





MRI or XRAY

Radiation
Therapy

Ultrasound
Machines

Electro-
surgery
Devices

Photonics &
LEDs

Lasers

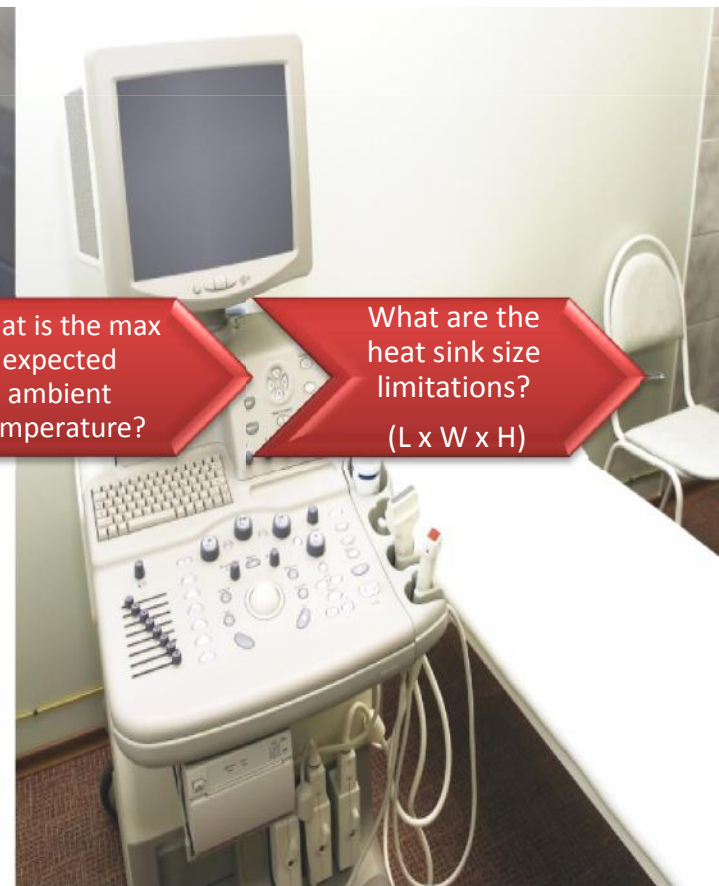
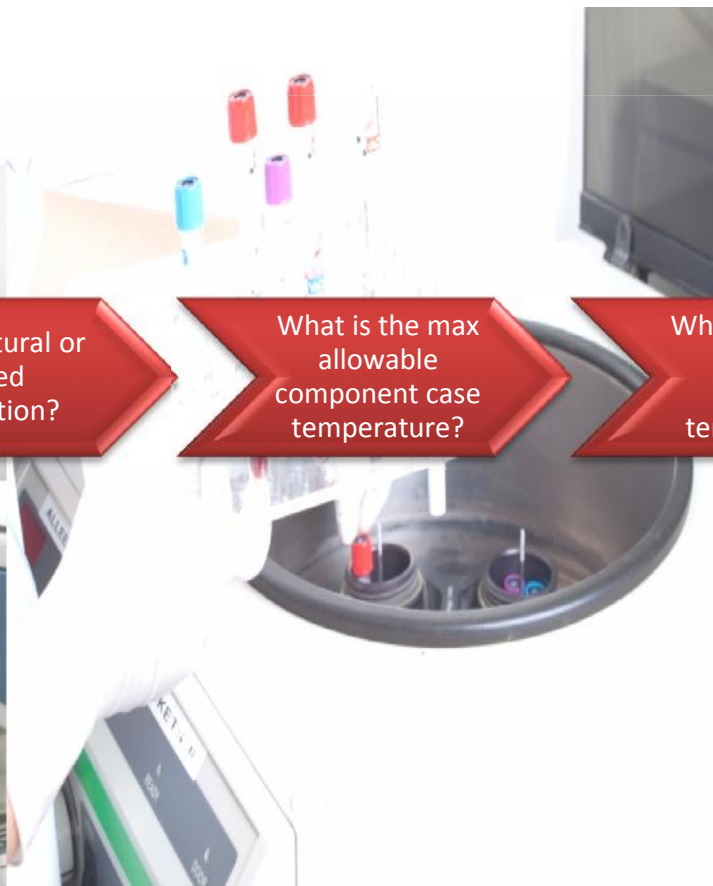
Structural
Operating
Equipment

DNA Thermal
Cyclers

Blood
Analyzers

Blood
Warmers

Therapy
Devices



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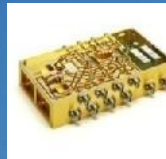
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AEROSPACE & DEFENSE

Radar & Surveillance:
Heat Pipes &
Liquid Cold Plates



Thermal Solutions for
GPS/Monitoring Systems



Precisely Machined
RF Trays



ATR Box
Enclosures

Mil-Spec Hot Swap
Universal Joints for Cargo
Elevators



Structural Aluminum
Extrusions for Railings,
Cargo Support



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AEROSPACE & DEFENSE



GPS Units

Radar Systems

Missile Defense
Systems

Secure
Communication
Systems

Transit Casing

Ruggedized
Enclosures

Missile Control
Systems

Ruggedized
Computers

Mission Critical
Devices

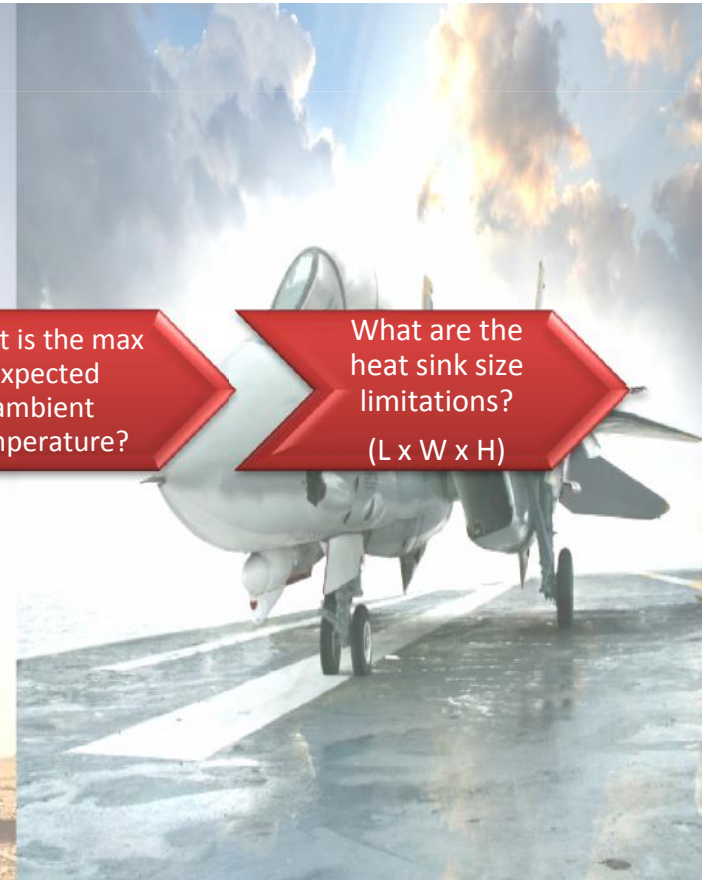
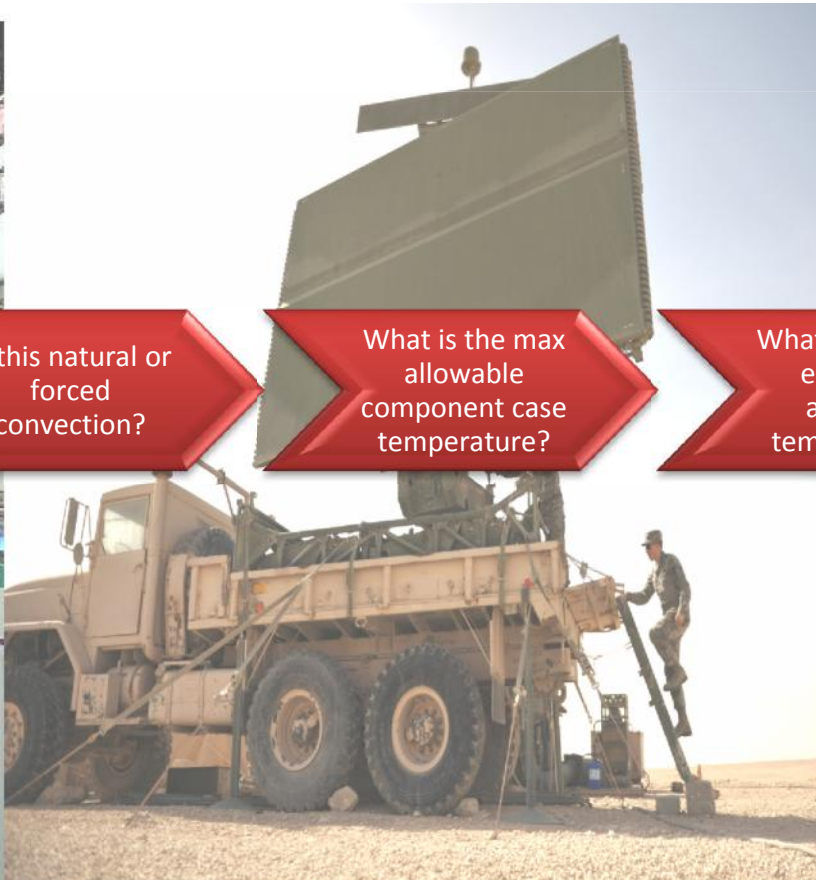
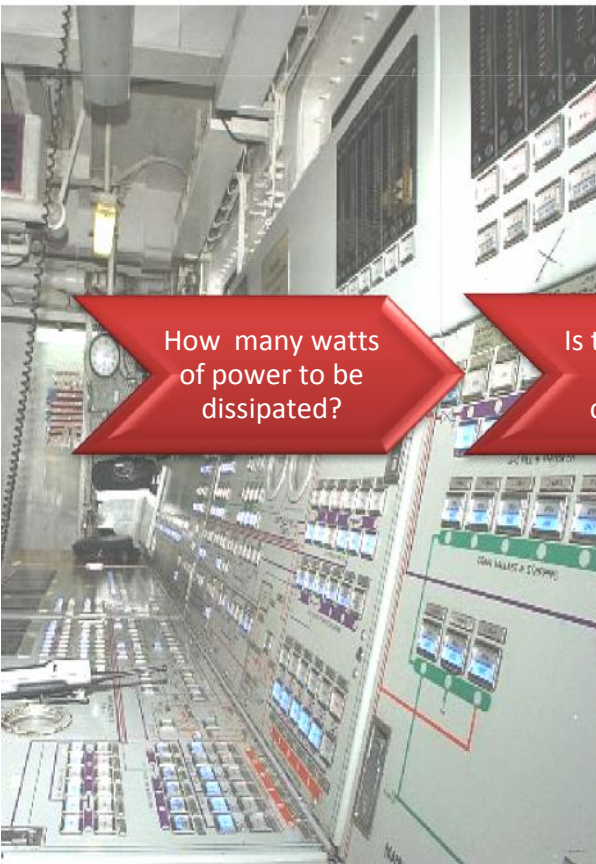
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RENEWABLE ENERGY



PV & Wind Solar
Inverter
Heat Sinks



Thermal Solutions for
Smart Grid Devices



Fabricated Aluminum
Extrusions for PV Panel
Frames



Aluminum Extrusions for
Mounting Hardware

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RENEWABLE ENERGY



PV Panel Frames

PV Panel Mounting
Hardware

Wind Turbine
Converters

Wind Turbine
Inverters

Smart Grid Cooling

Smart Metering

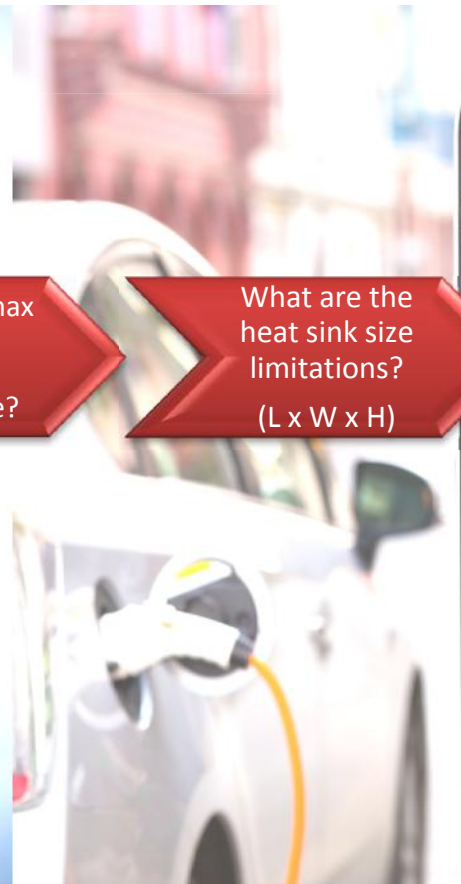
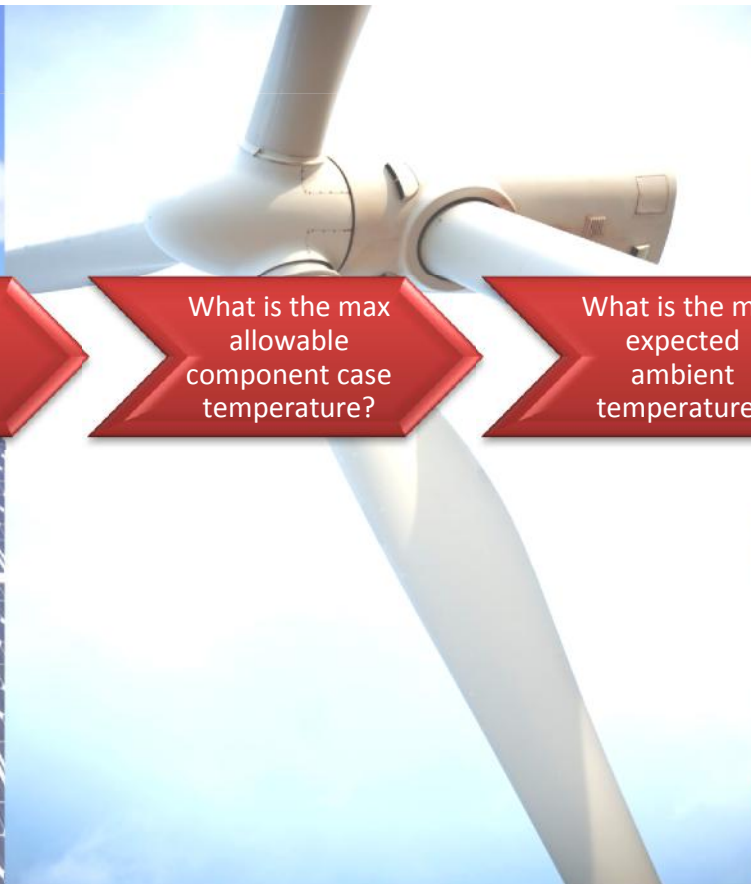
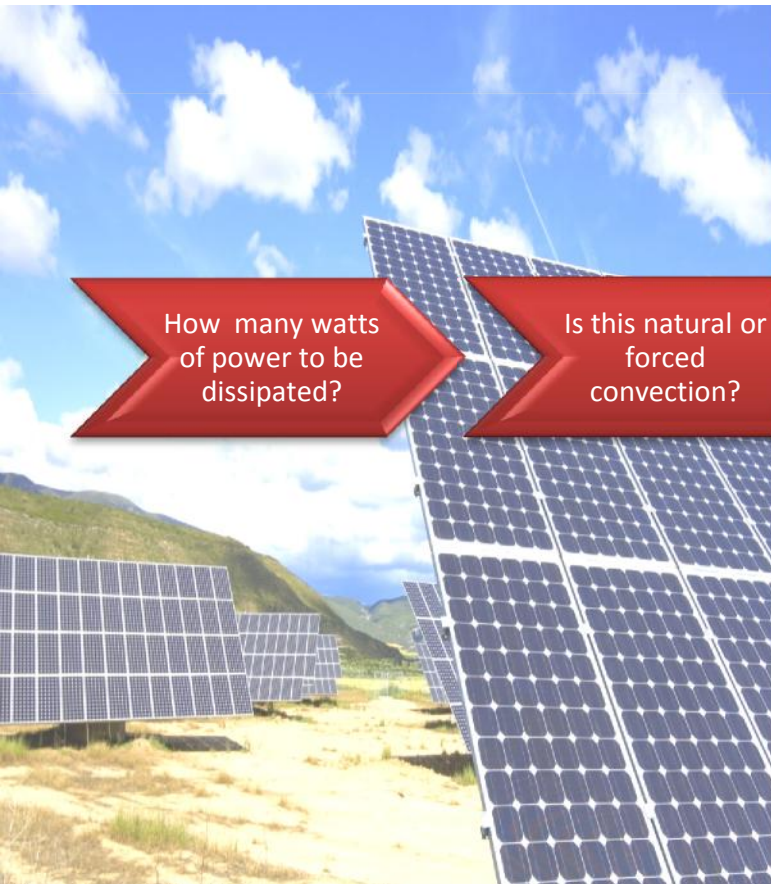
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LIGHTING




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LIGHTING



Industrial

High Bay

Warehouse

Airport

Aviation

Safety

Retail

Digital
Signage

Focus
Lighting

Street
Lighting

Traffic
Signals

Automotive

Residential

Decorative

Track
Lighting

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