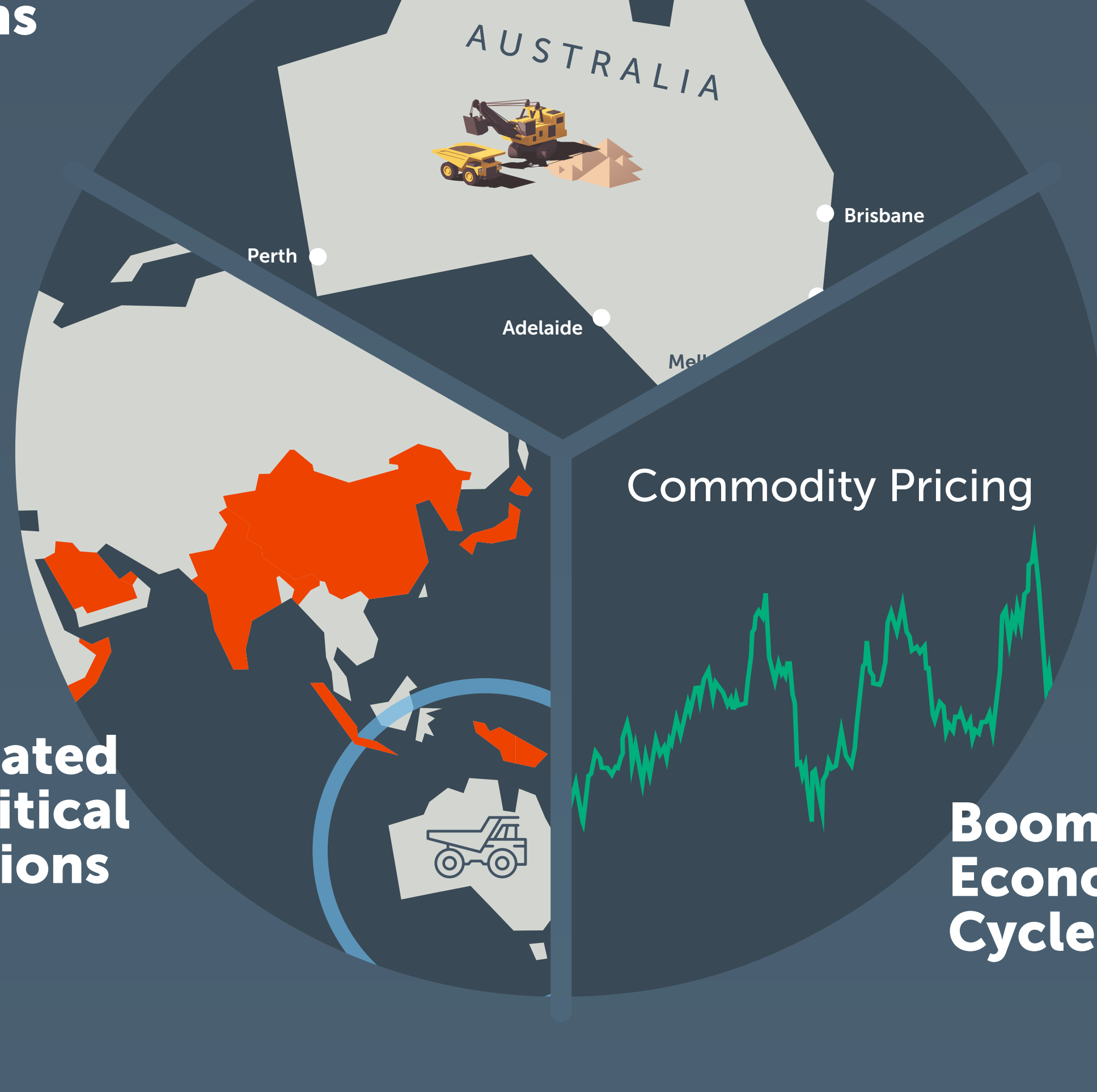


# MINING

FEW INDUSTRIES ARE AS DEMANDING AS MINING

## OPERATIONAL CHALLENGES

Often Uninhabitable Locations



Complicated Geo-political Implications

Commodity Pricing

Boom or Bust Economic Cycles

Mining operations are responding with an intelligent mining initiative in three key areas



### Intelligent Operations



Automated Haulage



In-situ Processing



New Overburden Removal Process

### Knowledge Centers



Operations



Supply Chain



Current Demand Profiles

### Intelligent Enterprises



Remote Management

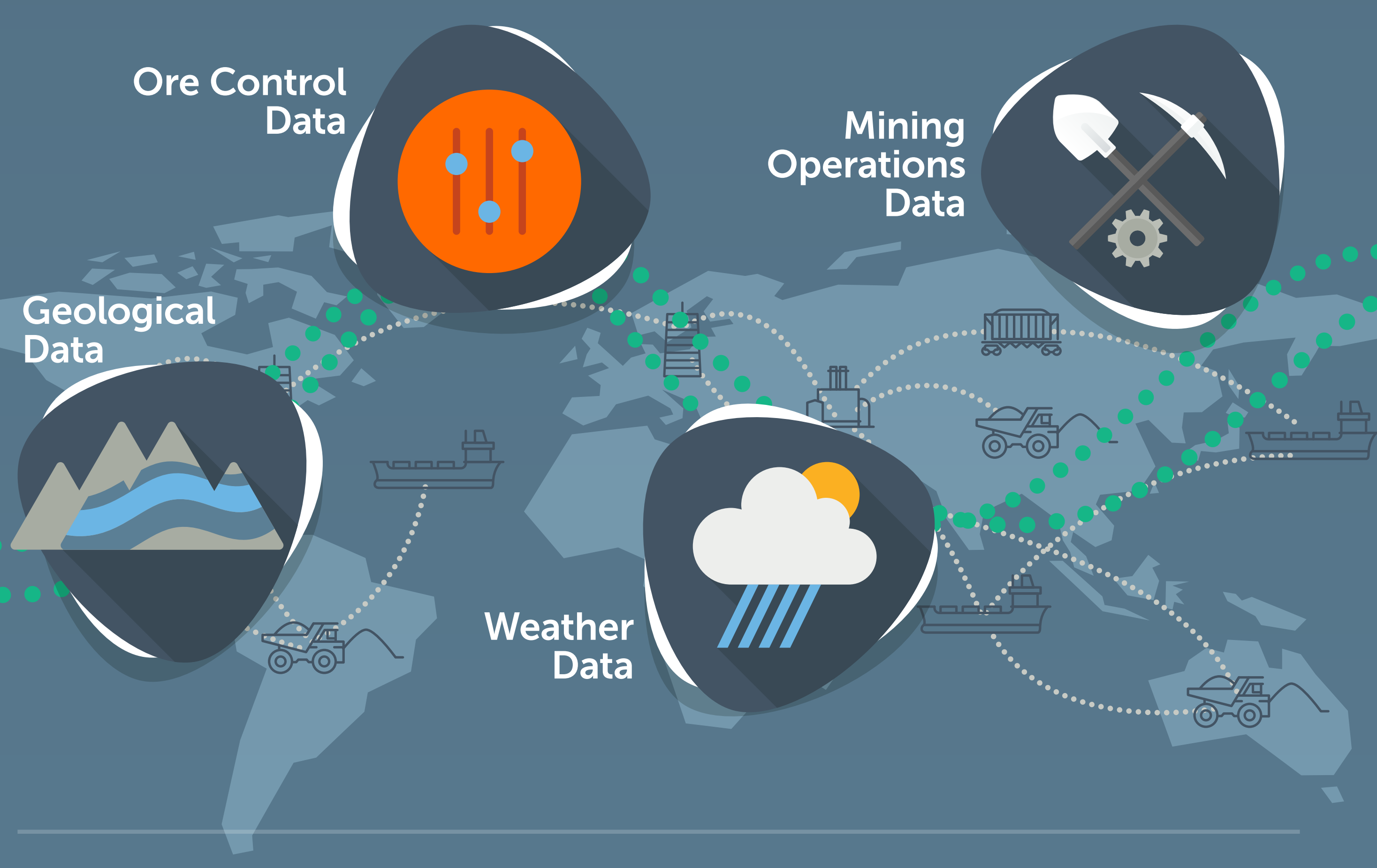


Preventative Maintenance



Critical Resource Allocation

Unfortunately, traditional mining networks are inadequate because they are data intensive and need to manage all this:



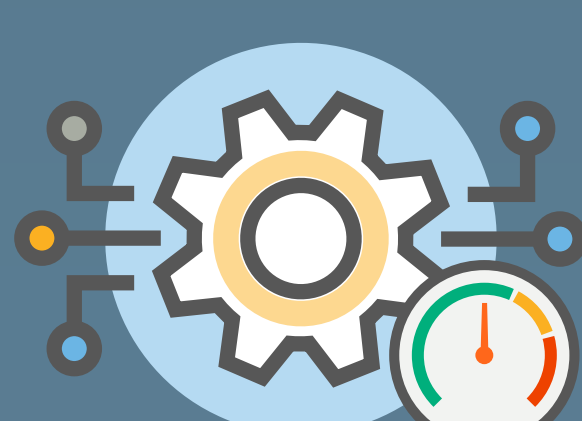
To achieve pervasive communications and business-wide efficiencies, one must improve overall network operations.

Intelligent Mining Comprises Three Distinct Networks:



Pit Communications

Operational Efficiency  
Worker Safety



Operational Centers

OT Needs



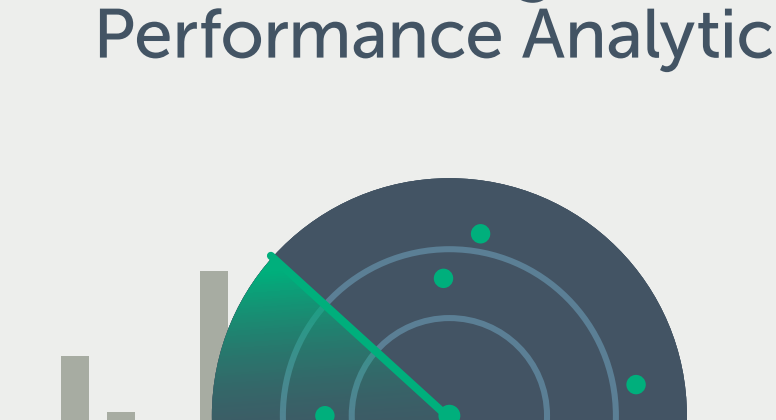
Data Centers

Business Issues

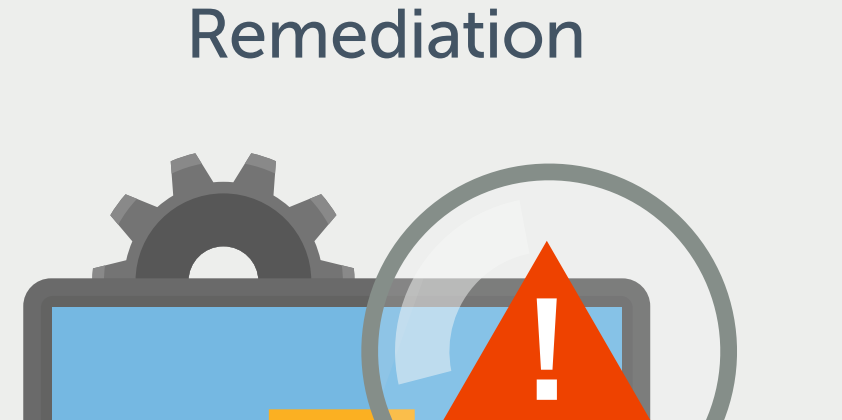
## HOW RIVERBED CAN HELP

It starts with a portal-based solution for mining with end-to-end full-fidelity visibility for:

Monitoring and Performance Analytics



Threat Detection & Remediation

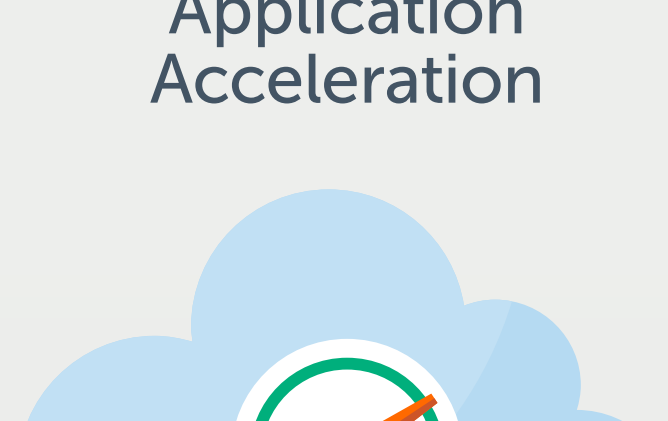


Digital Experience Management



## Optimization across any network or app

Application Acceleration



WAN Optimization



Software Defined Networking



## Benefits to Modern Mining



SaaS apps  
**10x** as fast



**99%**  
data reduction



**75x**  
faster  
downloads

Fast and secure applications for today's mining workforce.

<https://www.riverbed.com/solutions/npm-mining>

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