

BHUMISHQ
CHANGE ENABLERS



BHUMISHQ TECHNOLOGIES LTD THE CHANGE ENABLER

Specialist technology company for:

- Data centre hosting for primary and disaster recovery sites
- Cloud infrastructure hosting, cloud back-up and cloud applications migration
- Consulting for digital infrastructures optimisation

THE BHUMISHQ COMPANY

Bhumishq is the leading digital and fintech change enabler for business 4.0 in the Mauritius IFC.

DIGITAL INFRASTRUCTURES	GLOBAL BUSINESS	FINTECH	SMART BUILDINGS
BHUMISHQ TECHNOLOGIES LTD	BHUMISHQ FINANCIAL SERVICES LTD	BHUMISHQ FINTECH LTD	BHUMISHQ SMART BUILDINGS LTD

Digital Infrastructures:

Enterprise Architecting & Consulting for Hybrid Private Datacentre

3 Tier Converged and Hyperconverged infrastructure,

Stack building for Software Defined Data Centre (SDDC),

Software Defined Networking redefining Failovers

Smart Business Continuity,

Risk Based Enterprise Security Design, develop, integrate and implement

Data Centre:

Production Datacentre or Primary Datacentre

Disaster Recovery Hosting,

Managed Data Centre services :

Monitoring, Orchestrating, Simulations, Back-up and Recovery, Work area recovery

Cloud Computing:

Public and Private Hosted Cloud computing with partnership of Microsoft Azure, VMWare AWS, Citrix, IBM SoftLayer and Oracle Cloud.

Consulting and implantations for Cloud Infrastructure as a Service, Software as a Service Applications, Cloud Adaptation, Cloud Migration, Cloud Back-Up, Cloud Security.

GLOBAL BUSINESS

BHUMISHQ FINANCIAL SERVICES LTD

Global Business Services:

- Structuring and Licensing of SPV
- Regulatory, Statutory and Corporate Compliance
- Business Operations Outsourcing

Industry Segments:

- Corporate & Private Clients
- Alternative Assets e.g. private equity, funds, private debt and capital markets.
- Digital Assets
- Fintech and Software platforms



FINTECH

BHUMISHQ FINTECH LTD

Industry Segments:

B2B Fintechs
Digital Assets

Markets:

Africa
Latin America
ASEAN
IFCs

Services:

Investments Support
Go-To-Market and Use Case Support

SMART BUILDINGS

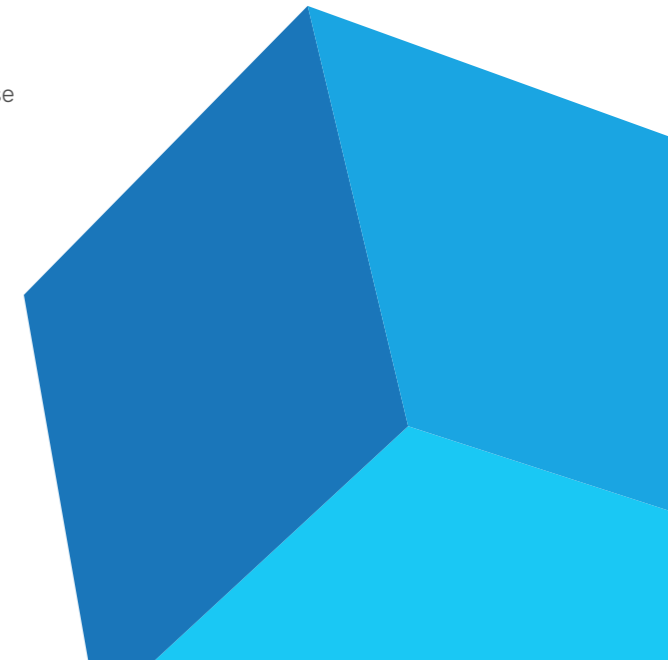
BHUMISHQ SMART BUILDINGS LTD

Office Building Asset:

The 100,000 square feet Allianz Building in the Ebene Cyber City for rental yield

Data Centre Asset:

The 5,000 square feet Tier IV Design Bhumishq Data Centre for server racks' rental yield and value added services income.



BHUMISHQ
CHANGE ENABLERS



THE BHUMISHQ PHILOSOPHY

**We are in the business
Of making change happen !**

Change
is at the essence of life.
It is in our DNA.
It is a need, a longing,
a quest.

We are on a journey
of becoming...
To live is to change
to adapt, to grow
in height, in size, in stature,
in asset, in age, in wisdom,
in love

We grow as we learn,
build our skills, expand
our view of the world.

Open your eyes to change
Change is the greatest thing
we do as human beings,
the most exciting thing to
be involved in.

Change doesn't happen
by chance.
It has to be nourished,
nurtured, sustained.

Change blooms
in a conducive environment
where potentials turn
into possibilities, ideas take shape,
initiatives take flight,
dreams become reality,
society takes a step forward.

BHUMISHQ...

WE ARE ENABLERS!

CHANGE ENABLERS!

THE BHUMISHQ DNA

VALUES

BOLD & FUN

We make things happen by creating a positive environment that welcomes new ideas, where employees can think big and have fun.

LEARNING AND SHARING

We're relentless in our pursuit of change, continuously learning, innovating and growing as we connect and share ideas.

DOING GOOD

We are driven by a sense of PHILOSOPHY and are deeply committed to making a positive contribution economically, socially and environmentally.

VISION

We are change enablers. We will make change happen every day.

MISSION

We are change champions. We help companies face, embrace, manage and love change.

DHANESHWAR DAMRY | FOUNDER & CHIEF EXECUTIVE



OUR BRAND PROMISE

Connectivity drives change. Whatever field you are in, new technologies are changing the way you work, communicate, and produce and consume services. Digital transformation is the key to survival, to competitiveness, to innovation, to progress, to the future.

Bhumishq has accumulated proven experience and track record in exploring and harnessing digital possibilities and pose itself as the ideal strategic partner to digitally transform your workplace and processes and keep creating value for your customers.

WE ARE CHANGE CHAMPIONS!

We are here to help companies and organizations face change, embrace change, manage change and love change.

OUR SERVICES:

Empower growth through intelligent platforms that seamlessly integrate development and IT for modern core applications.

Maintain a competitive advantage with Long-Term Enterprise IT, Cloud Strategy and Digital Risk Management.

- Data Centre
- Data Security
- Data Strategy
- Data Recovery
- Data Archiving
- Data Repository
- Data Protection
- Data Availability
- Data Replication
- Data Backup
- Data Insights
- Data Encryption

Bhumishq's Tier IV Data Centre facility and services enables customers' critical business data and applications to remain accessible and high-performing at all times.

WE ARE CHANGE ENABLERS!



SHILPA BOTHRA DAMRY | FOUNDER & MANAGING DIRECTOR



DIGITAL INFRASTRUCTURES: DATA AS AGENT OF CHANGE

PROMISE DELIVERED. CHANGE ENABLED.

Bhumishq in your digital infrastructure
and data repository strategies

Tier IV Data Centre Facility

24 / 7 / 365 Support and Cyber Security

Multi Layered Encryption and Blockchain for Security

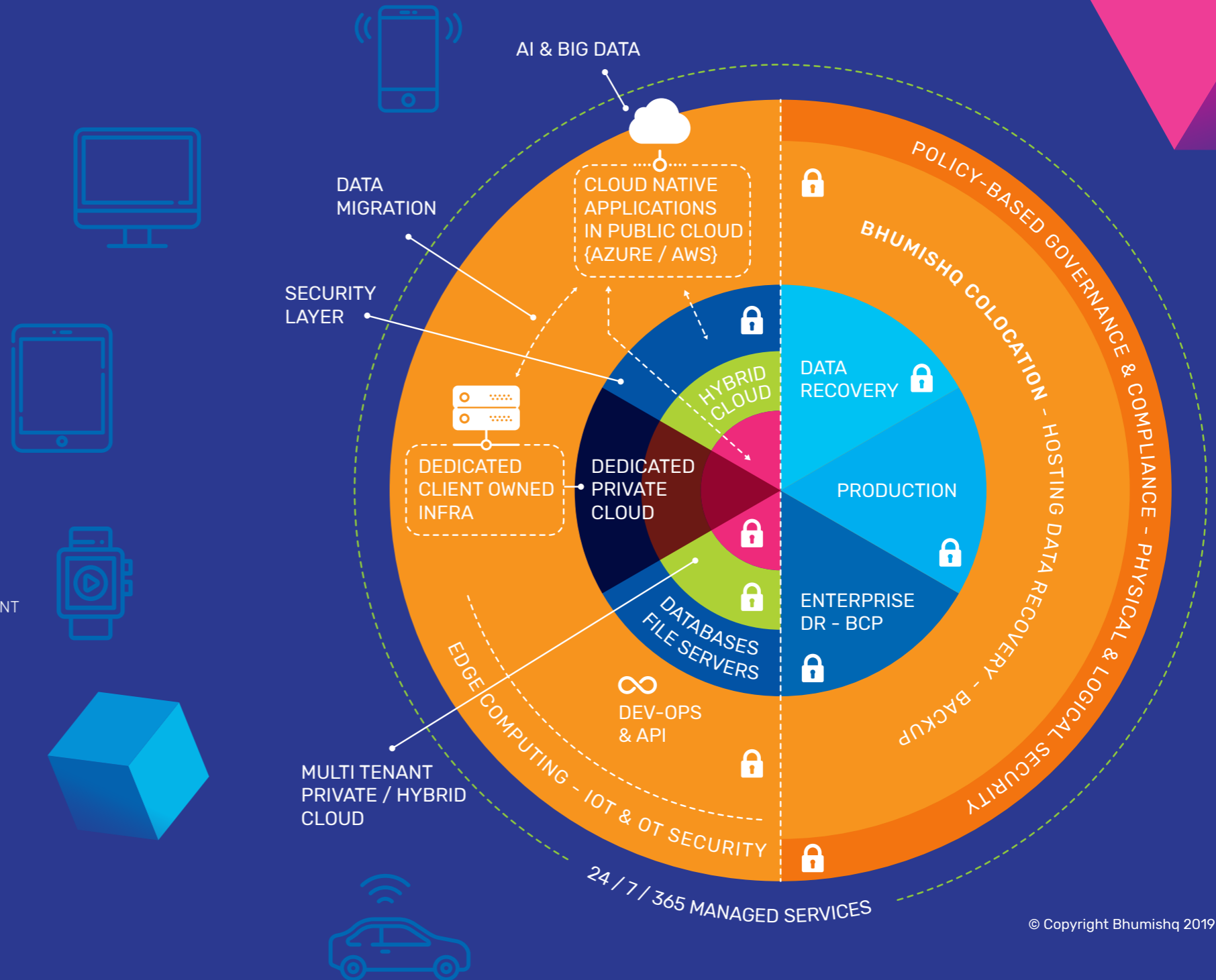
LEGEND :

- BHUMISHQ DIGITAL INFRASTRUCTURE ASSET
- CORE APPLICATIONS
- BHUMISHQ COLOCATION
- IDENTITY, ACCESS MANAGEMENT
MULTI-LAYER ENCRYPTION
- DATABASES FILE SERVERS - REPLICATION BACKUP
- HYBRID CLOUD

GLOSSARY :

DR = Disaster Recovery
BCP = Business Continuity Plan
API = Application Programming Interface
IOT & OT = Internet of Things and Operational Technologies

DevOps = Methodologies combining Software Development (Dev) practices and information technology operations (Ops) to shorten the systems development life cycle while delivering features, fixes, and updates / new application for enterprises.



THE MOST ROBUST, RESILIENT, SECURE AND SUSTAINABLE DATA CENTRE OF MAURITIUS

FEATURES	BHUMISHQ DATA CENTRE	OTHER ENTERPRISE DATA CENTRES	MICRO DATA CENTRES / SERVER ROOMS
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LOCATION

Ebene Cyber City, the most advanced, safe, always on business hub of Mauritius



CERTIFICATIONS

Tier IV design



BUILDING SUPER STRUCTURE

High strength reinforced concrete building. Faraday's Cage built independent of the main building.



FEATURES	BHUMISHQ DATA CENTRE	OTHER ENTERPRISE DATA CENTRES	MICRO DATA CENTRES / SERVER ROOMS
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POWER

CEB Grids: Two sources from two grids of CEB



Transformers: 2x1200 KVA



Generator: Power backed by captive generator set. Automatic switch over to Diesel Generator. The diesel tank of 4,000 litres is kept for up to 4 days of availability on full load.



UPS: 4x30KVA fully redundant n+n UPS for power sources on HA mode with automatic transfer switch PDUs having A&B power sources in the server racks. 120 minutes power and 90 minutes on battery availability.



THE MOST ROBUST, RESILIENT, SECURE AND SUSTAINABLE DATA CENTRE OF MAURITIUS



FEATURES	BHUMISHQ DATA CENTRE	OTHER ENTERPRISE DATA CENTRES	MICRO DATA CENTRES / SERVER ROOMS
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COOLING

• PAHU Precision controlled air-conditioning	✓	?	✗
• Chilled Water base air-conditioning. 1:1 chillers.	✓	?	✗
• Stand-by air-conditioning as back-up to precision air-conditioning.	✓	?	✗
• Hot / Cold Aisle: Rack orientation based on hot / cold aisle approach	✓	?	✗

FIRE-FIGHTING

Multiple Fire detectors. Multiple segregated zones in the DC for fire containment and fire-fighting.	✓	?	✗
IG541 Fire Suppression with eco-friendly, zero residue and highly effective clear gas used. Clear Inergen Gas fully protects electrical equipment in case of Fire.	✓	?	✗

FEATURES	BHUMISHQ DATA CENTRE	OTHER ENTERPRISE DATA CENTRES	MICRO DATA CENTRES / SERVER ROOMS
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SECURITY

Perimeter security with 24x7 manned security control system. Manned security in the DC for visitor checks on approved access. Logical security automated to send alerts on time left after door opening.	✓	?	✗
Man Trap: Man Trap is fitted to avoid "tail gating" and forced entry.	✓	✗	✗
Access control: Highly restricted access control uses bio-metrics with access logging. Approval for access request needs minimum of 24 hours prior notice on specified requests.	✓	?	✗
Surveillance and sensors: CCTV camera monitoring with minimum 90 days archival record system. Motion detectors. Temperature and humidity sensors.	✓	?	✗

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INTERNET CONNECTIVITY

Multiple pair connectivity from NOC of Cyber Tower-1 Mauritius Telecom Exchange to NOC of Bhumishq Data Centre.	✓	?	✗
Crone box of MT at Bhumishq that eases the release of lines in just hours from MT.	✓	?	✗
Fiber connectivity from MT (1) Cyber Tower (1) Exchange and (2) Rose Hill Exchange.	✓	?	✗
Redundant Telco Emtel present at DC from different path on site from MT for redundancy n+1 purposes.	✓	?	✗
Provision for placing VSAT, microwave & other antennas on roof top.	✓	?	✗

WORK AREA RECOVERY SEATS

50 dedicated and 100 syndicated WAR seats available on 24x7x365 basis. Remained On and Highly Available during all Cyclones Class III and IV, Flash Floods and Torrential Rains, including in March 2013 and January 2018.	✓	✗	✗
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FEATURES	BHUMISHQ DATA CENTRE	OTHER ENTERPRISE DATA CENTRES	MICRO DATA CENTRES / SERVER ROOMS
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VAULTS

Bank-standard vault room	✓	✗	✗
Safes	✓	✗	✗

DATA CENTRE SUPPORT SERVICES

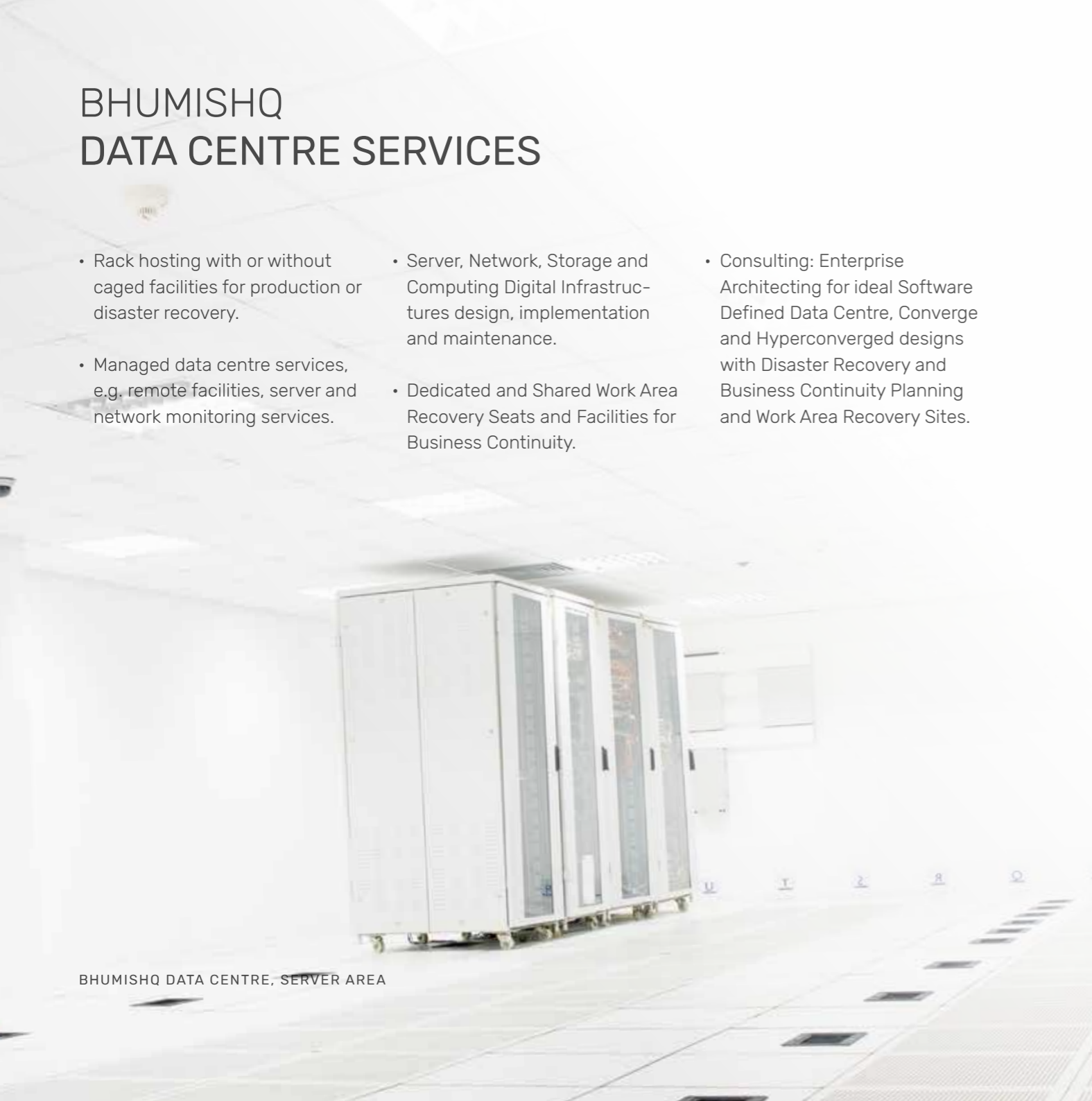
24x7x365 99.99% SLA notwithstanding Class III and IV cyclones and flash floods.	✓	✗	✗
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OPERATIONAL SUSTAINABILITY

10+ years successful 24x7x365 99.99% SLA promise delivered by the same facilities team.	✓	✗	✗
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BHUMISHQ DATA CENTRE SERVICES

- Rack hosting with or without caged facilities for production or disaster recovery.
- Server, Network, Storage and Computing Digital Infrastructures design, implementation and maintenance.
- Consulting: Enterprise Architecting for ideal Software Defined Data Centre, Converge and Hyperconverged designs with Disaster Recovery and Business Continuity Planning and Work Area Recovery Sites.
- Managed data centre services, e.g. remote facilities, server and network monitoring services.
- Dedicated and Shared Work Area Recovery Seats and Facilities for Business Continuity.



BHUMISHQ DATA CENTRE, SERVER AREA

SUCCESS STORIES POWERED BY THE BHUMISHQ DATA CENTRE



- A global insurance major has grown from back-office operations of 20 people to a centre of excellence of 1,000 people in 6 years.
- A global professional services firm has achieved regulatory, statutory and corporate compliance.
- An important organisation of the Government providing critical citizen services has ensured business continuity.
- A listed company on the SEM has achieved compliance in business continuity in line with the National Code of Corporate Governance.
- A global pharma company has successfully set-up and grown its global headquarters in Mauritius.

BHUMISHQ CLOUD COMPUTING SERVICES



Digital Edge:

Located in the Heart of the Ebene Cyber city provides a platform with low cost of connectivity for production sites and meets the minimum latency requirement for the RTO and RPO with enhanced accessibility within minutes for intervention by clients' engineers. L1 to L3 Technical Support are available for mission critical support with highest level of availability, security, connectivity, redundancy on 24 X 7 X 365 basis.

10+ years of experience and expertise in delighting over 50 customers with 99.99% SLA notwithstanding cyclones, flash floods, power cuts and public holidays for Managed Services for private cloud as below:

- Private Cloud in the Bhumishq Data Centre for
 - Rental of a robust virtual server infrastructure for various workloads and critical business application, Database Servers, on Microsoft Hyper V OR VMware depending on the elastic needs for DC / Production.
- Private Cloud in the Bhumishq Data Centre for Cloud Hot / Cold back-up, Replication
- Consulting: Enterprise Architecting for Cloud based Data Centre with Disaster Recovery and Business Continuity Planning and Work Area Recovery Sites
- IT Audit and Risk Assessment for Enhanced Corporate Governance, GDPR, etc.
- IT Review, Infra design, Security design and Change Management

SUCCESS STORIES POWERED BY THE BHUMISHQ CLOUD



- Microsoft Office 365 improved productivity for a listed company on the SEM.
- The Bhumishq Private Cloud enables seamless operations for a regulated financial institution operating in the Mauritius IFC.
- Bhumishq Consulting (Review, Assessment and Recommendations) for upgrading from IT legacy infrastructure to cloud led digital infrastructure enabled the board a listed company on the SEM to make informed decisions on IT for the next decade.
- The creation of a technology platform for a Government body to provide PAAS and Bhumishq's managed cloud services to support the PAAS has resulted in better citizen services.
- Bhumishq's cloud back-up solutions have enabled a global professional services firm to meet regulatory, statutory and corporate compliance.
- Enterprise Architecting for Software Defined Data Centre for Global Voice telephony solutions.
- Enterprise Architecting for Software Defined Data Centre for local bank.
- Architecting and Implementation for private cloud for a local Third party payment processing company and facilitating PCI-DSS, Visa and MasterCard compliance certifications
- Hosted workloads and ERP application for a large retail across the country for production connecting multiple sites ensuring high availability of data.
- Built database and Migrated from Legacy On-Premise Exchange to Office 365 in record time for a Leading Health Service Provider.



BHUMISHQ MICROSOFT CLOUD TECHNOLOGIES



Bhumishq Microsoft Cloud - Volume Licensing Agreement (SPLA)

Windows Server, MultiPoint Server and Desktop Operating System

- Windows Server 2012 and 2016
- Windows 10 Pro

Productivity

- Exchange on Premise
- SharePoint on Premise
- OneDrive Server
- File Server on Premise
- SQL Server on Premise
- Visual Studio

ERP On-Premise

- Dynamics Ax
- NAVISION

Desktop As A Service

- Virtual Desktop Infrastructure (VDI) Suite
- Windows Desktops

Security

- Advanced Threat Analytics
- System Centre Server
- System Center Client Management Suite
- System Center Configuration Manager
- System Center Endpoint Protection

Microsoft Cloud Service Provider - (CSP - Direct) for SaaS

- Office 365 and Exchange Online
- SharePoint online
- Skype for Business
- OneDrive
- Dynamics 365
- Windows 10
- Microsoft 365
- Power BI
- Advanced Threat Protection
- Identity and Access Management

AZURE IaaS

- Storage backup - File Servers
- Database Servers
- Backup Services

AZURE SERVICE FABRIC

- Business Intelligence
- Dev-Ops Test Environment
- App Development
- Big Data
- Artificial Intelligence - BOTS

BHUMISHQ VMWARE CLOUD TECHNOLOGIES

BHUMISHQ DATA CENTRE, MONITORING AREA

VMware

INTEGRATED ARCHITECTURE FOR ANY DEVICE, ANY APPLICATION AND ANY CLOUD.

• Professional Solution Provider

- Hosted application servers for various workloads, databases and web applications
- Managed Cloud Service Provider
- Migration from bare metal physical servers and Virtual servers to VMware Bhumishq Cloud

• Professional Service Provider

- Design and Implement on desired **converged or Hyperconverged infrastructures**
- Migration from bare metal physical servers and Virtual servers to VMware environment
- Managed Services and 24X7X365 Professional support

IBM SoftLayer

- Cloud Service Provider - IaaS

Replication - Cloud and Enterprise

- Veeam
- Double Take

Security

- Symantec
- McAfee
- Palo Alto

Collaborations

- Dell EMC
- Lenovo
- IBM
- Netapp
- Cisco
- PaloAlto
- Fortinet



BHUMISHQ DATA CENTRE AND CLOUD INFRASTRUCTURE HOSTING FOR FINANCIAL TECHNOLOGIES AND FINTECH PLATFORMS IN THE MAURITIUS IFC

REGULATORY EDGE:

- Multi-currency cash custody by Mauritian banks, no exchange control and free repatriation of profits.
- Legally sound legal SPVs for mitigating and ring fencing risks, especially adverse regulatory sanctions and preserving and enhancing valuation.
- OECD BEPS and FATF compliant tax efficient structures with effective taxation rates between 0% and 3%.

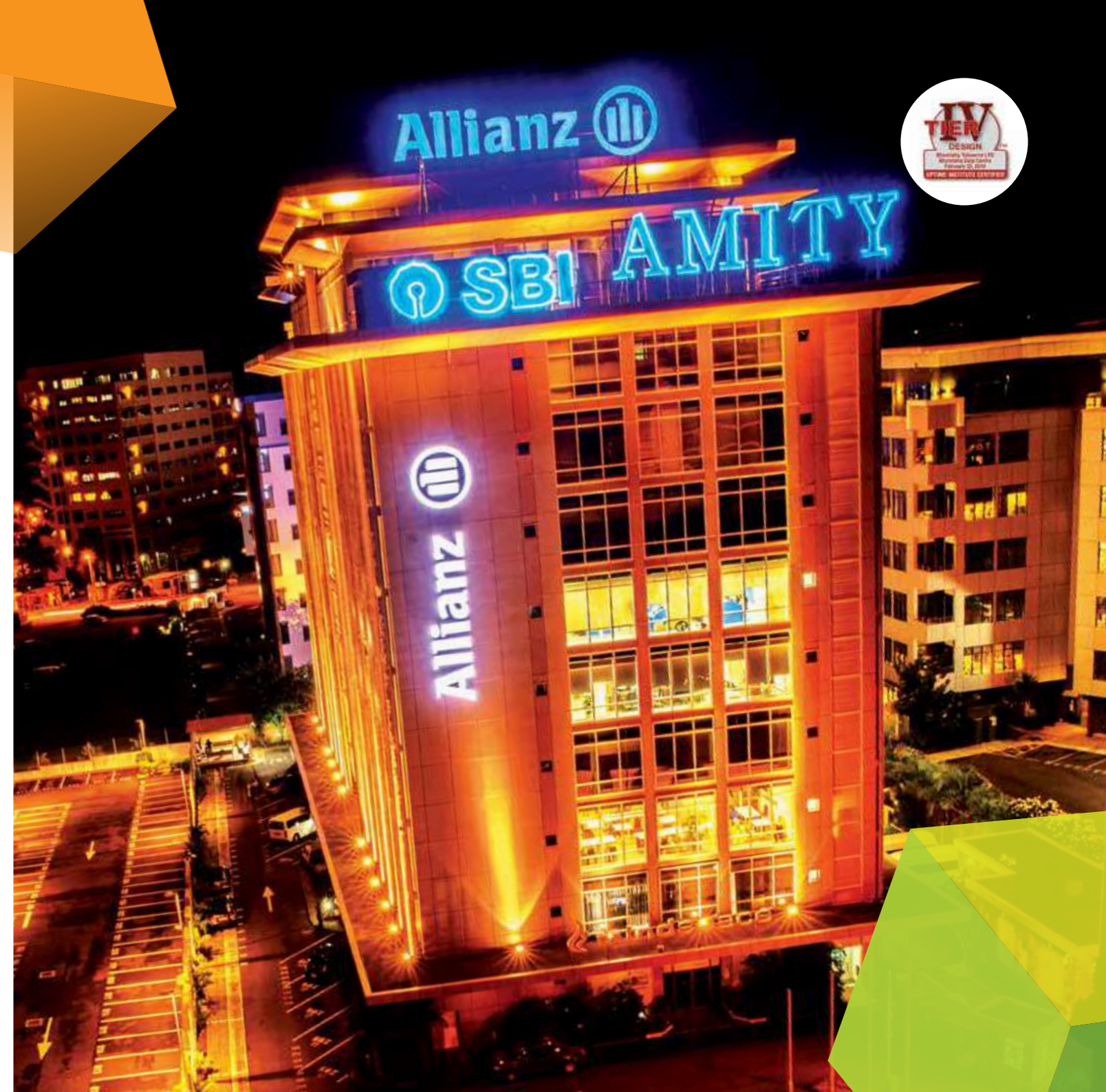
- Double taxation treaty benefits, if and where applicable.
- Costs competitiveness.

SOME MAURITIUS IFC USE CASES

- Cross-Border Payments, Brokerage and Gaming Companies setting up their investment holding, financial technologies and fintech platforms for new markets especially Africa, Latin America and ASEAN.
- Financial technologies and fintech platforms have set up their regulatory base, digital data centre and cloud hosting of their applications to provide software as a service or platform as a service to their customers in Africa.

CLIENT BENEFITS

- Information Security, Compliance and Governance
- Resilience, Risk Management and Operational Excellence
- Business Agility, Innovation and Intelligent Insights
- Lower Total Costs of Ownership of digital infrastructures



DIGITAL INFRA SERVICES

DIGITAL INFRASTRUCTURES:

Enterprise Architecting & Consulting for Hybrid Private Datacentre

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Software Defined Networking redefining Failovers

Smart Business Continuity,

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CLOUD COMPUTING:

Public and Private Hosted Cloud computing with partnership of Microsoft Azure, VMWare AWS, Citrix, IBM SoftLayer and Oracle Cloud.

Consulting and implantations for Cloud Infrastructure as a Service, Software as a Service Applications, Cloud Adaptation, Cloud Migration, Cloud Back-Up, Cloud Security.

THE BHUMISHQ EDGE

10+ years' experience and expertise to 200+ delighted customers in below services:

- Digital Data Centre services out of its proprietary Tier IV design data centre in Ebene Cyber City.

- Cloud Led (public, private, hybrid) Digital Systems, Digital Technologies and Cyber Security Services.
- Technology (in particular Microsoft, VMware, RedHat) and Business Operations Services.
- 24/7/365 fanatic support by the Bhumishq Brigade in English and French.
- Regulatory, Statutory and Corporate Compliance Support.
- Management Company services with specialisation in financial technologies.



BHIUMISHQ WAR SITE FOR DISASTER RECOVERY AND BUSINESS CONTINUITY



BHIUMISHQ
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WHY MAURITIUS

Macroeconomic data

- GDP: ~US\$ 14.0 billion
- Growth rate: 3.9%
- Inflation rate: 3.7%

Key International Benchmarks

- Ease of doing business – Mauritius ranks 1st in Africa and 20th globally in the World Bank Doing Business 2019.
- Political stability – 1st in Africa for the Democracy Index 2017 (The Economist Intelligence Unit).

- Good governance – Mauritius ranks 1st in Africa for the Mo Ibrahim Index of African Governance 2017.
- Economic democracy – 1st in Africa for the Index of Economic Freedom – Heritage Foundation, and 1st in Africa in the Economic Freedom of the World – Fraser Institute.

Country value propositions

- A robust and independent legal system with the Privy Council as the ultimate court of appeal.
- Mauritius offers competitive operational cost.
- Skilled and bilingual (English/French) workforce.



WHY BHUMISHQ

- Investment-friendly regulatory regime.
- Open to foreign investors and talents.
- Ocean State with one of the largest Exclusive Economic Zones in the world.
- State-of-the-art technological infrastructure.
- Convenient time zone (GMT +4).

Our 4 pillars provide operational and financial sustainability.

Leadership

The founders lead on the front foot.

Passionate Team

The change champions love what they do.

Sustainable Assets

We invest in assets that enable sustainable change.

Corporate and IT Governance

We endeavor to implement best practices for corporate and IT governance.





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BHUMISHQ

9TH FLOOR, BHUMISHQ TOWER.
45, WALL STREET, CYBER CITY,
EBENE 72201, MAURITIUS.

E info@bhumishq.com

T +230 467 6000 - 6006 - 7070

HELPDESK +230 4676290

W BHUMISHQ.COM

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