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PrimeHub

MLOps Platform

A Full-Featured ML Platform
to Streamline AI Workflow

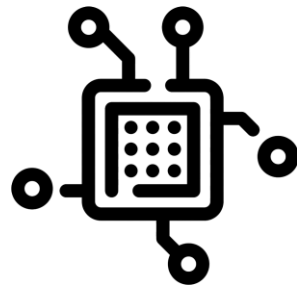**LOGICALIS**
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trusted by research institutes and leaders in sectors including FSI, manufacturing, and healthcare

100+

projects our product
manage for clients

500+

GPUs our product
manage for clients

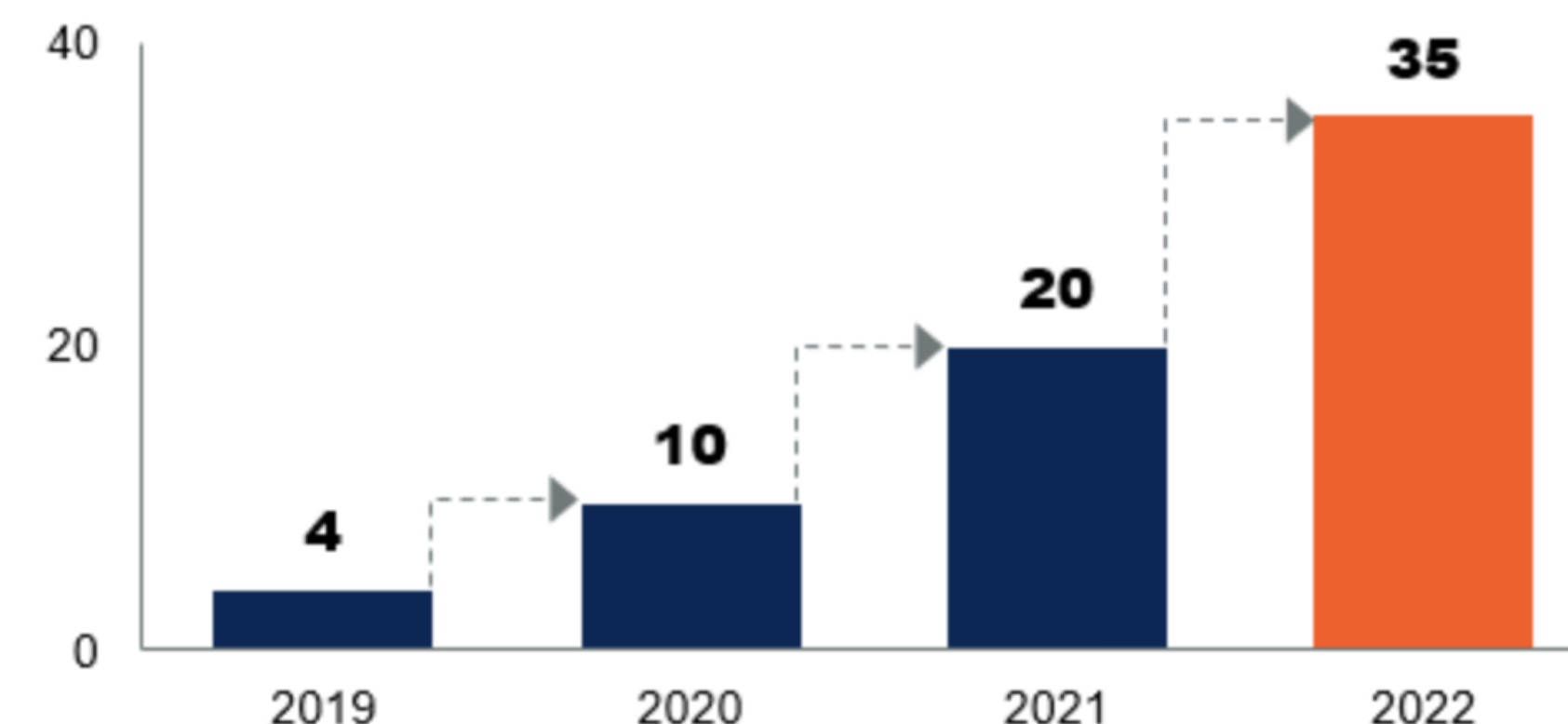**PrimeHub**

Streamline MLOps

The Speed of AI Development Cannot Catch Up With Demand

▶ **Time to build AI solutions**
Companies used to take 1~2 years to complete a AI project. AI projects and models will be increased multiple times.

▶ **The operation problems of AI deployments**
The life cycle of AI model does not begin until deployment, and AI models can be retrained to improve performance.
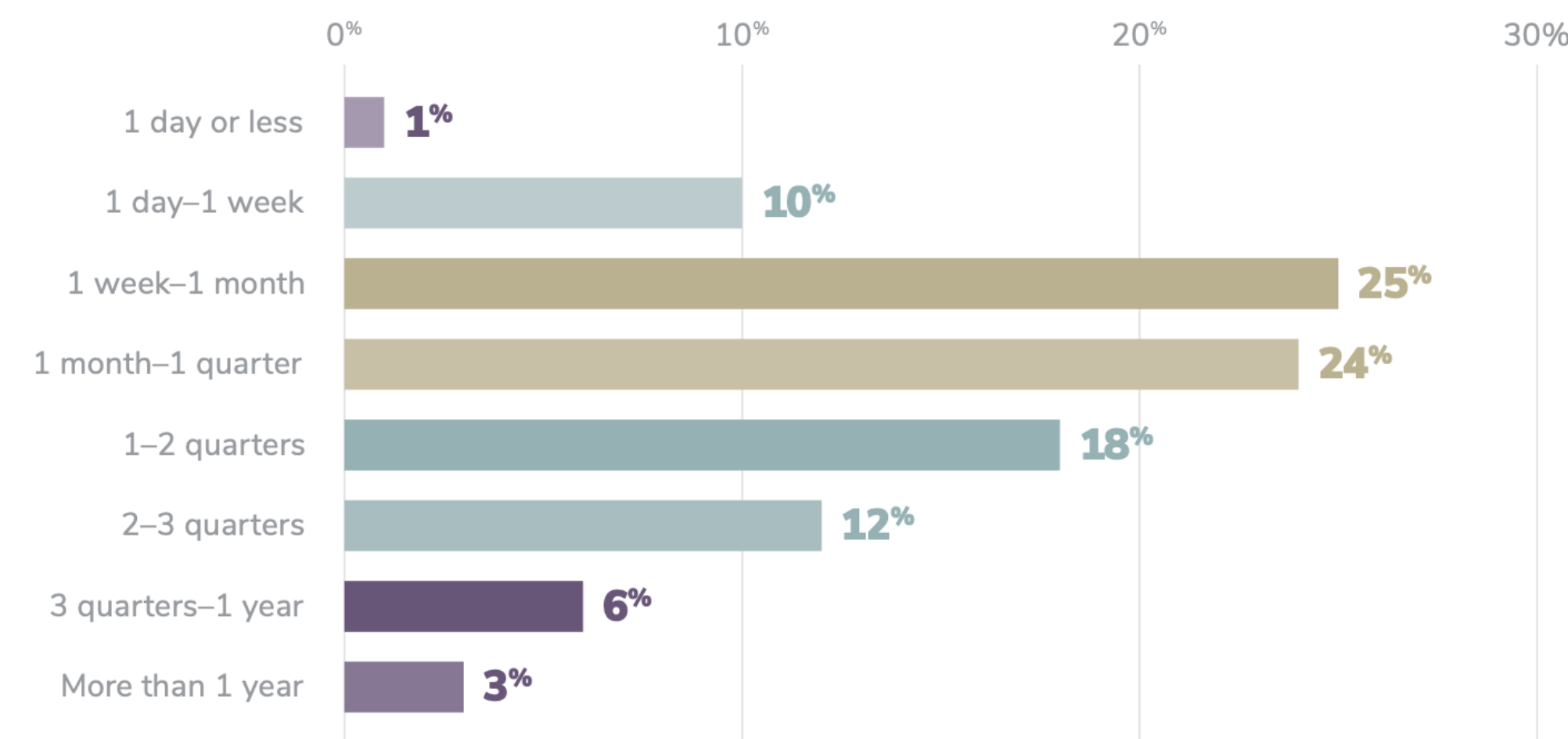
As the number of models grows, companies face operational problems and computing resource bottlenecks.

→ **Use MLOps to boost AI landing workflow**
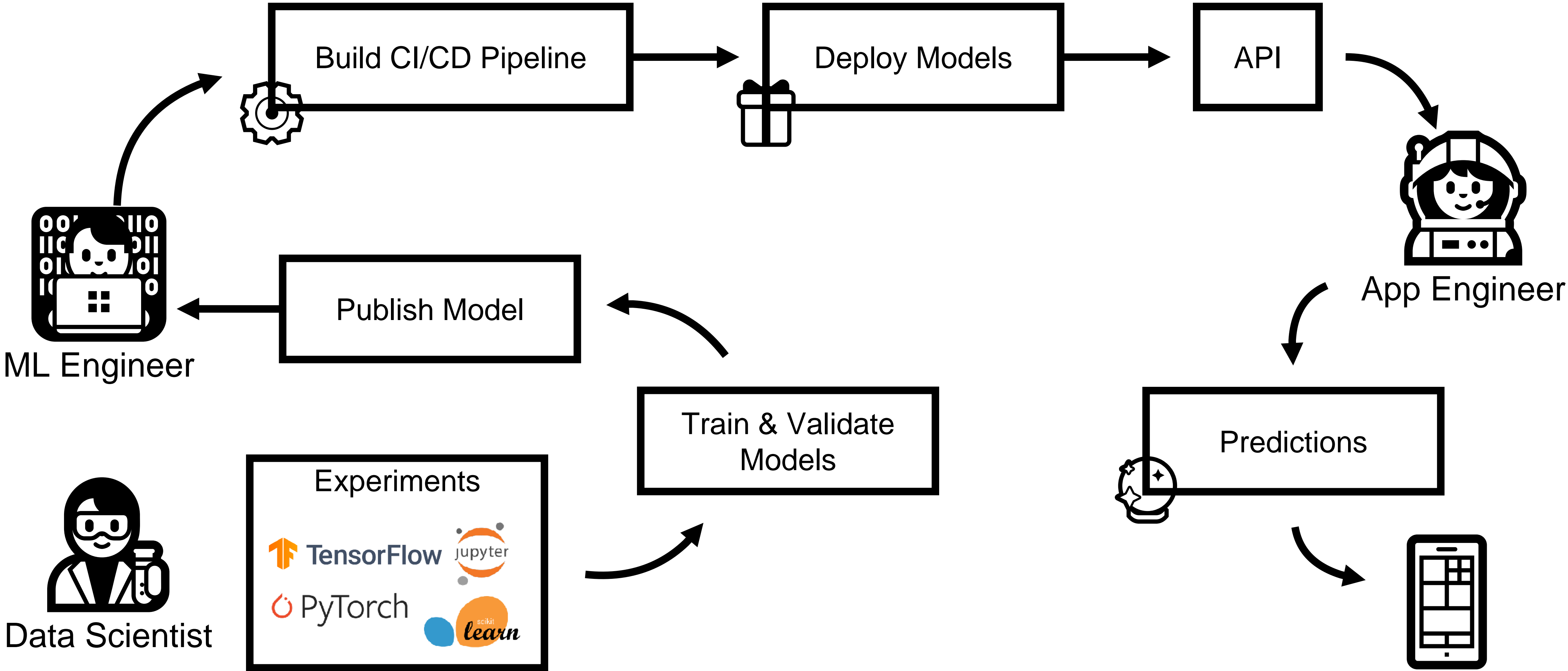
Average Number of AI or ML Projects Deployed*

Machine Learning Model Deployment Timeline**

Gartner AI and ML Development Strategies Survey, Gartner https://www.gartner.com/en/newsroom/press-releases/2019-07-15-gartner-survey-reveals-leading-organizations-expect-t
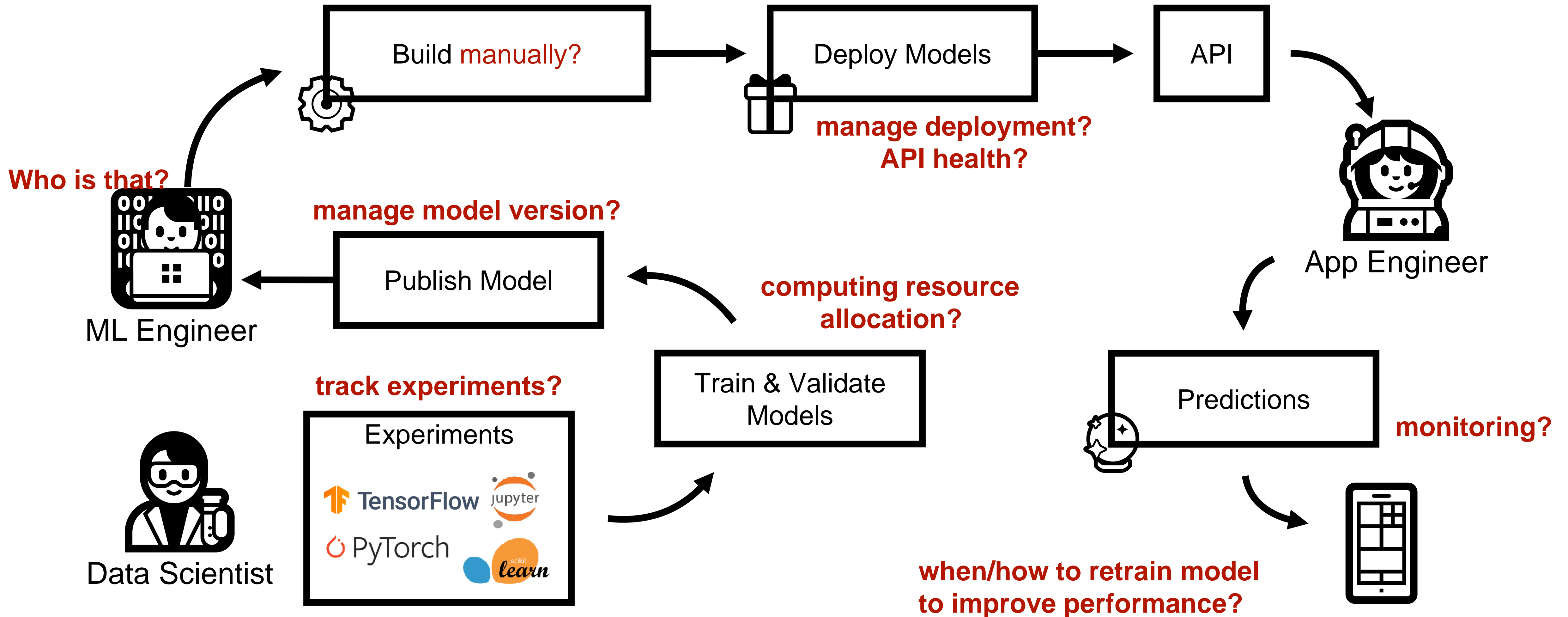
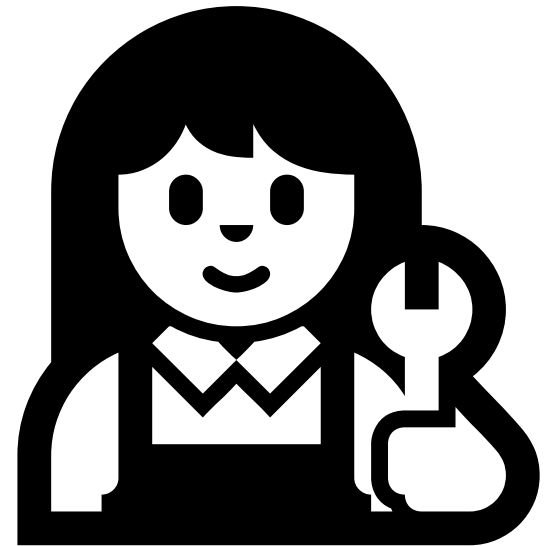**2021 State of Enterprise ML**, Algorithmia https://info.algorithmia.com/2021

Machine Learning Lifecycle

Ideally

Build CI/CD Pipeline → **Deploy Models** → **API**

Publish Model

ML Engineer

App Engineer

Train & Validate Models

Predictions

Data Scientist

Experiments

TensorFlow Jupyter

PyTorch scikit learn

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Machine Learning Lifecycle

Real World

Build manually? → Deploy Models → API

manage deployment?
API health?

App Engineer

Who is that?

ML Engineer

manage model version?

Publish Model ←

computing resource allocation?

Train & Validate Models

Predictions

monitoring?

track experiments?

Data Scientist

Experiments

TensorFlow jupyter

PyTorch scikit learn

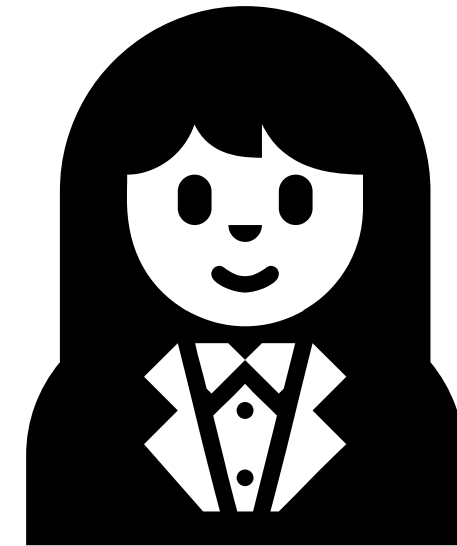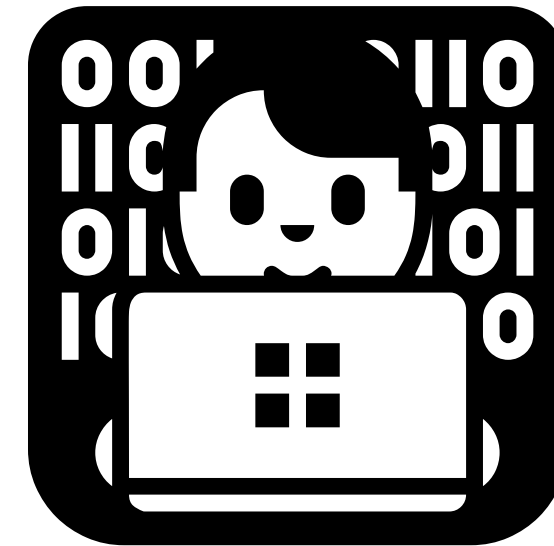**when/how to retrain model to improve performance?**

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PrimeHub Streamlines MLOps Workflow

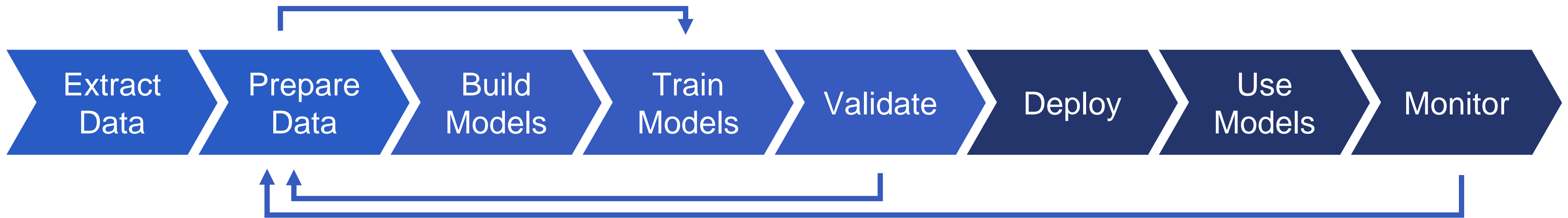

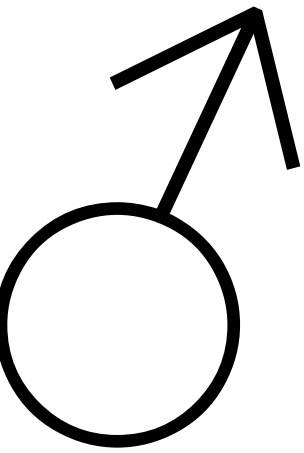Data Engineer · Data Scientist · Biz Analyst · DevOps · App Engineer · SRE

Extract Data → Prepare Data → Build Models → Train Models → Validate → Deploy → Use Models → Monitor
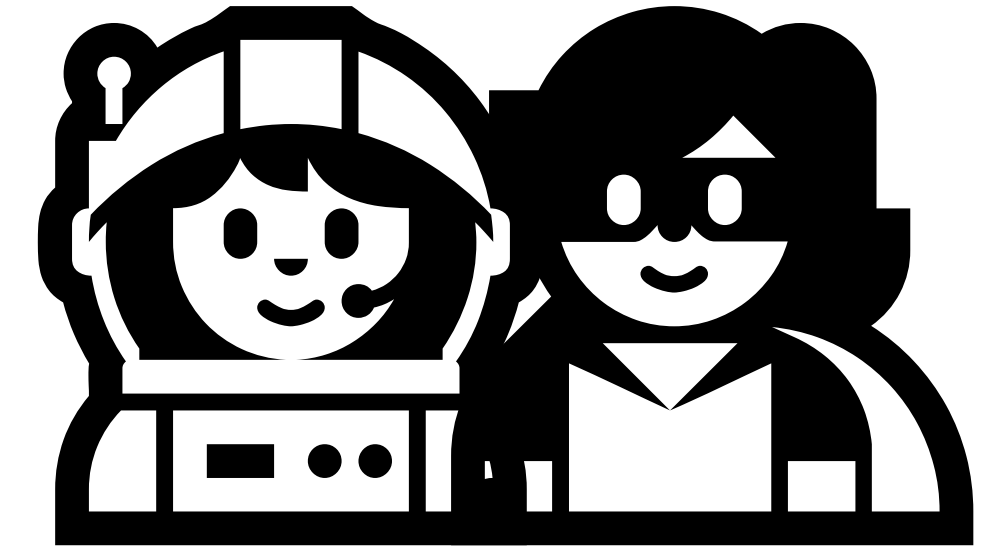
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PrimeHub MLOps Platform

Create multiple isolated project groups
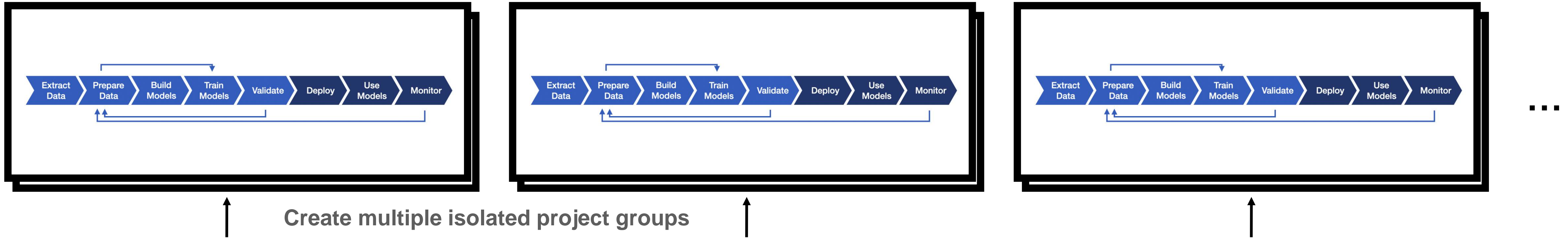
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Develop / Train / Deploy AI Models with Containers
TensorFlow PyTorch scikit learn SELDON

Unified Dataset Management
SQL hadoop S3

Compute Resource Management
(on-prem. & cloud)
kubernetes NVIDIA RED HAT OPENSHIFT
aws Azure

RBAC Account Mgmt.
KEYCLOAK

Log & Monitor
Grafana

On/Offline Dev.
Jupyter PC

Apps Integration
Label Studio mlflow
Streamlit Apache Airflow

SDK / CLI / API

CI/CD Workflow Integration GitLab GitHub

Add other AI tools into the workflow with PrimeHub Apps

Meeting the Needs of Different Teams

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Data Science Team

focus on creating value from data

✓ **Manage datasets**

✓ **Manage model development and training environments**

✓ **Easily obtain computing resources to boost development efficiency**

✓ **Manage AI model's parameters and versions**
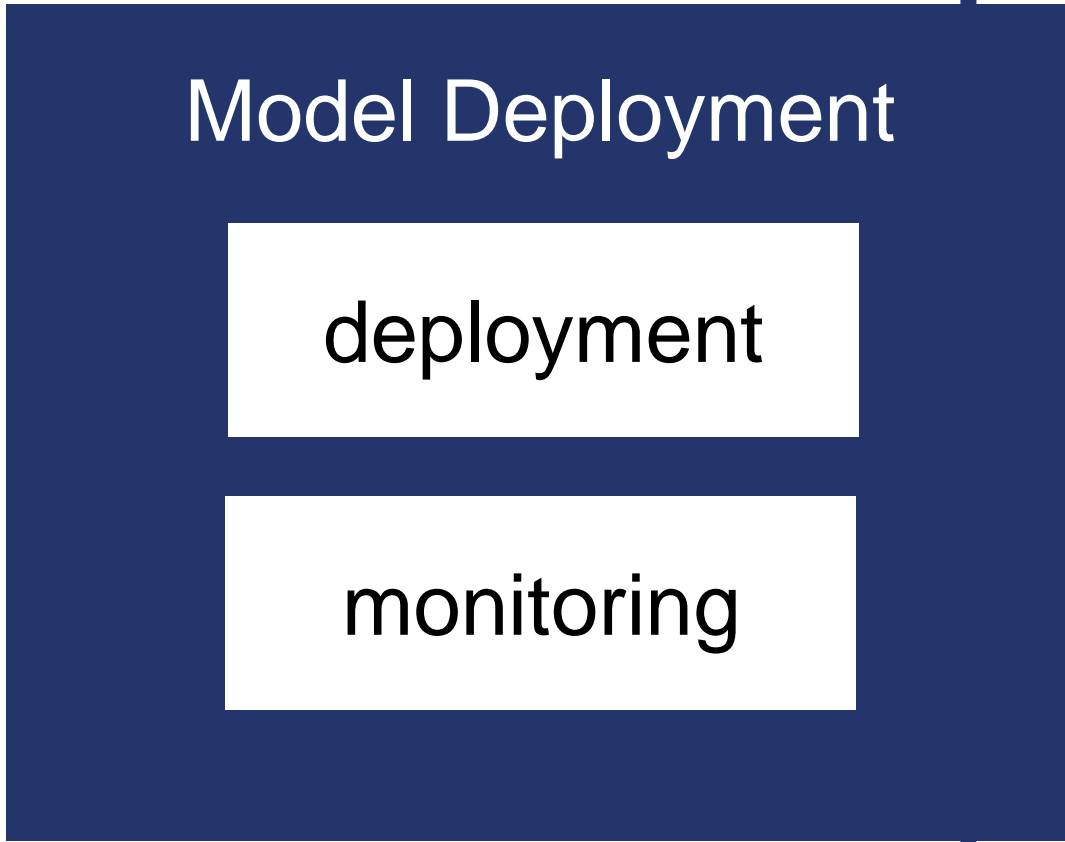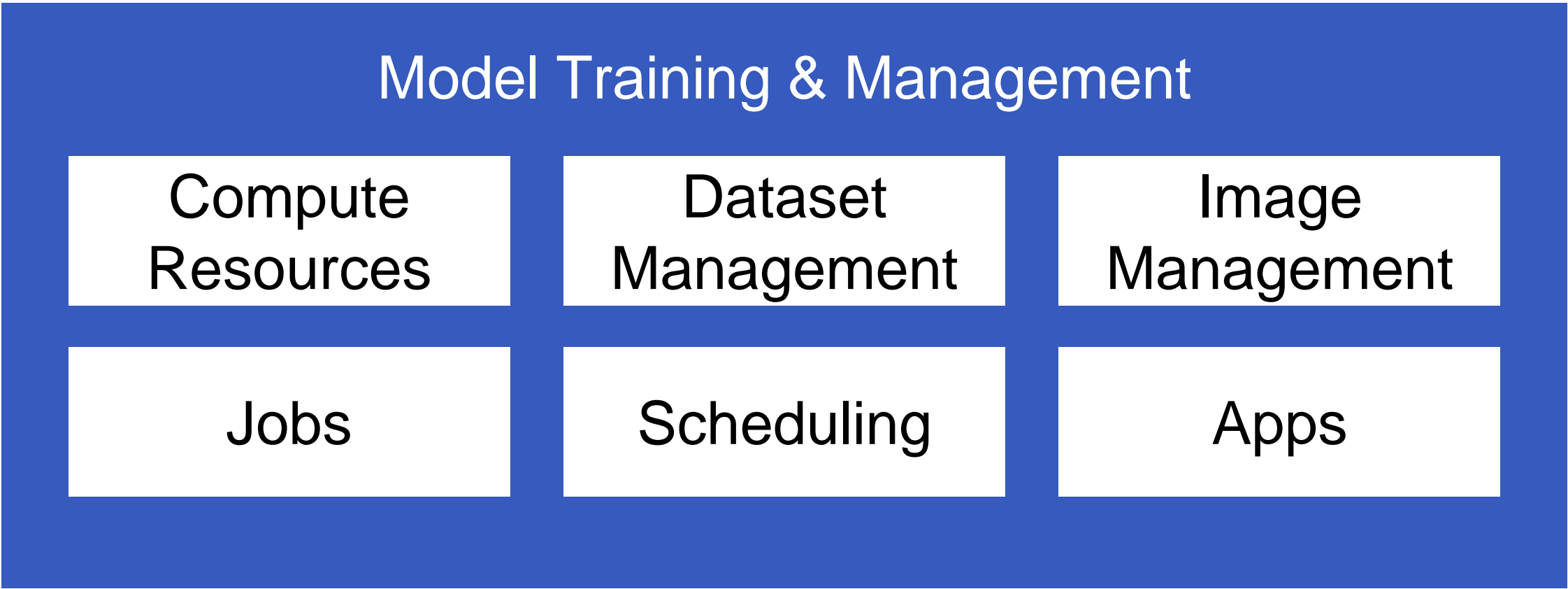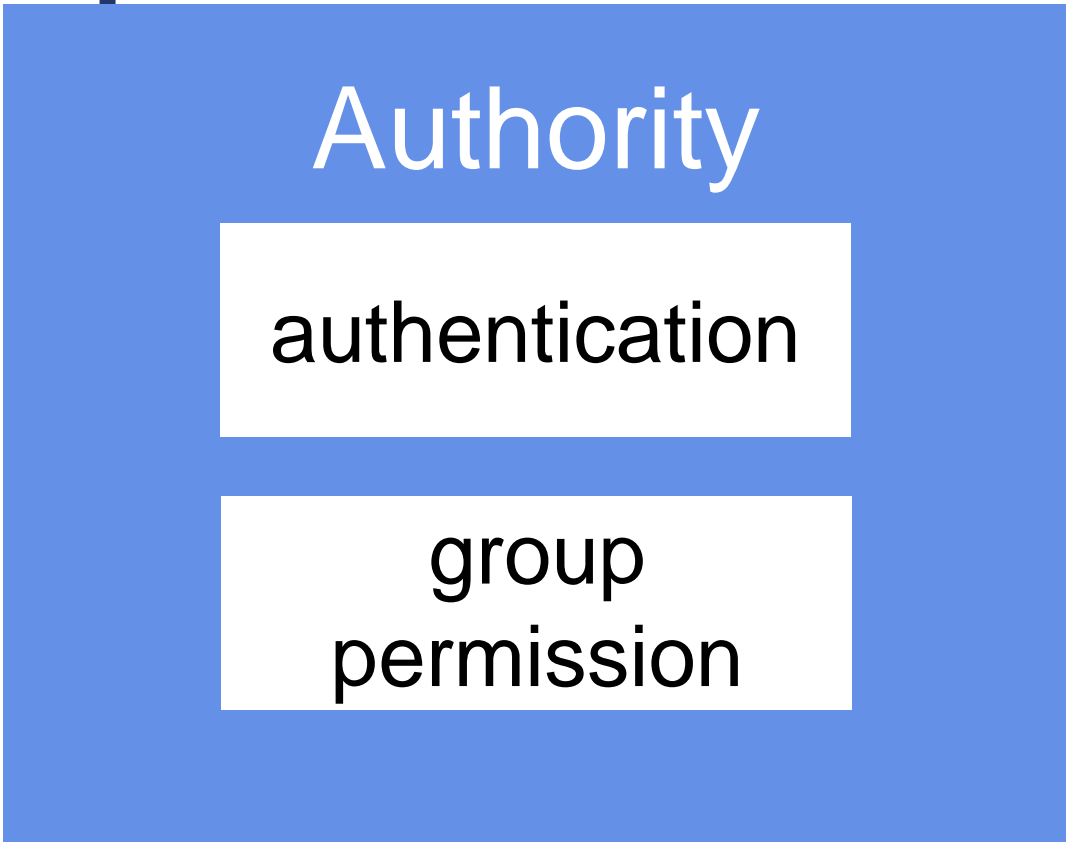
✓ **Switch between projects with ease**

IT & Operation Team

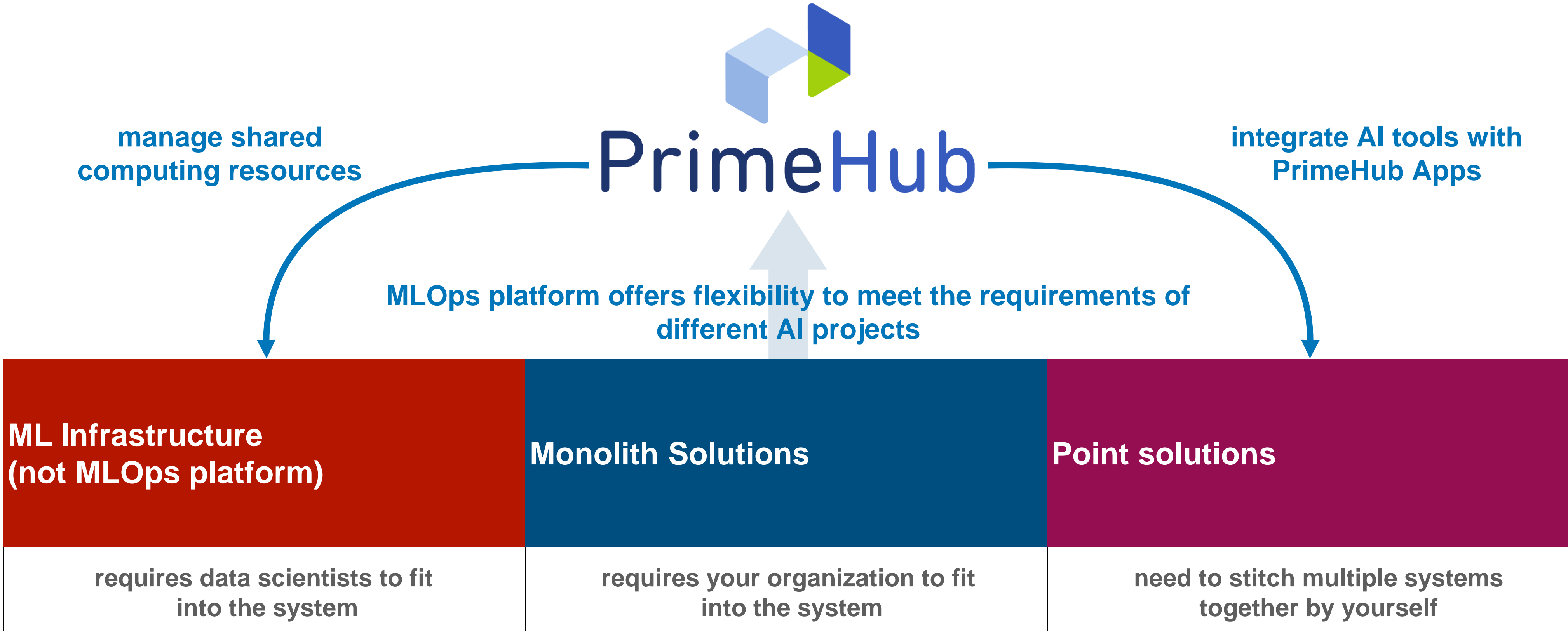**cares about integration, resource management and operation**

✓ **Manage compute resources**

✓ **Provide AI development and training environments**

✓ **Support flexible resource allocation for model trainings**

✓ **Improve resource utilization**
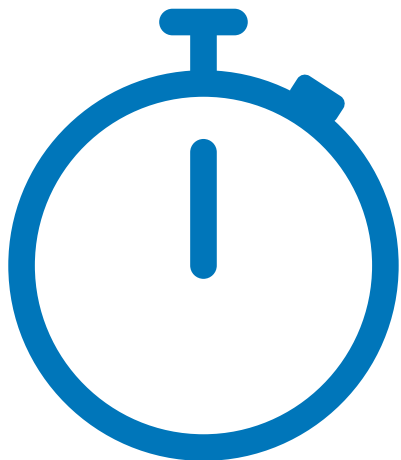
✓ **Manage model deployment and monitoring**

PrimeHub MLOps Platform

AI training projects

Model Deployment API

PrimeHub

Authority
- authentication
- group permission

Model Training & Management
- Compute Resources
- Dataset Management
- Image Management
- Jobs
- Scheduling
- Apps

Model Deployment
- deployment
- monitoring

Kubernetes

Comparison

manage shared computing resources

integrate AI tools with PrimeHub Apps

MLOps platform offers flexibility to meet the requirements of different AI projects

ML Infrastructure (not MLOps platform)	Monolith Solutions	Point solutions
requires data scientists to fit into the system	requires your organization to fit into the system	need to stitch multiple systems together by yourself

Key PrimeHub Benefits

Deploy AI models faster
cut lead time from days to hours

Easier to scale
projects & team collaboration

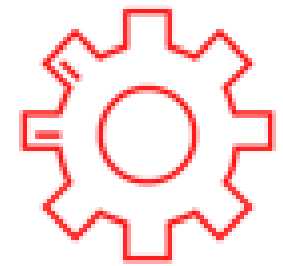**Apps & SDK**
optimize & automate workflow

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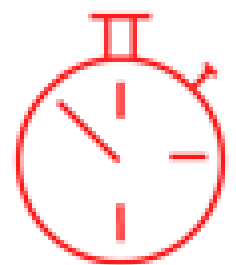Architects of Change

WHY LOGICALIS?

Global presence, local execution
We're a leading global MSP, serving 10,000 customers worldwide and with a physical presence in 28 countries.

End-to-end security capabilities
We offer unique consulting capabilities as well as managed services to implement security end-to-end.

Value-driven engagement
Our repeatable model is focused on simplicity, speed and agility to help clients achieve core business value faster and with less risk.
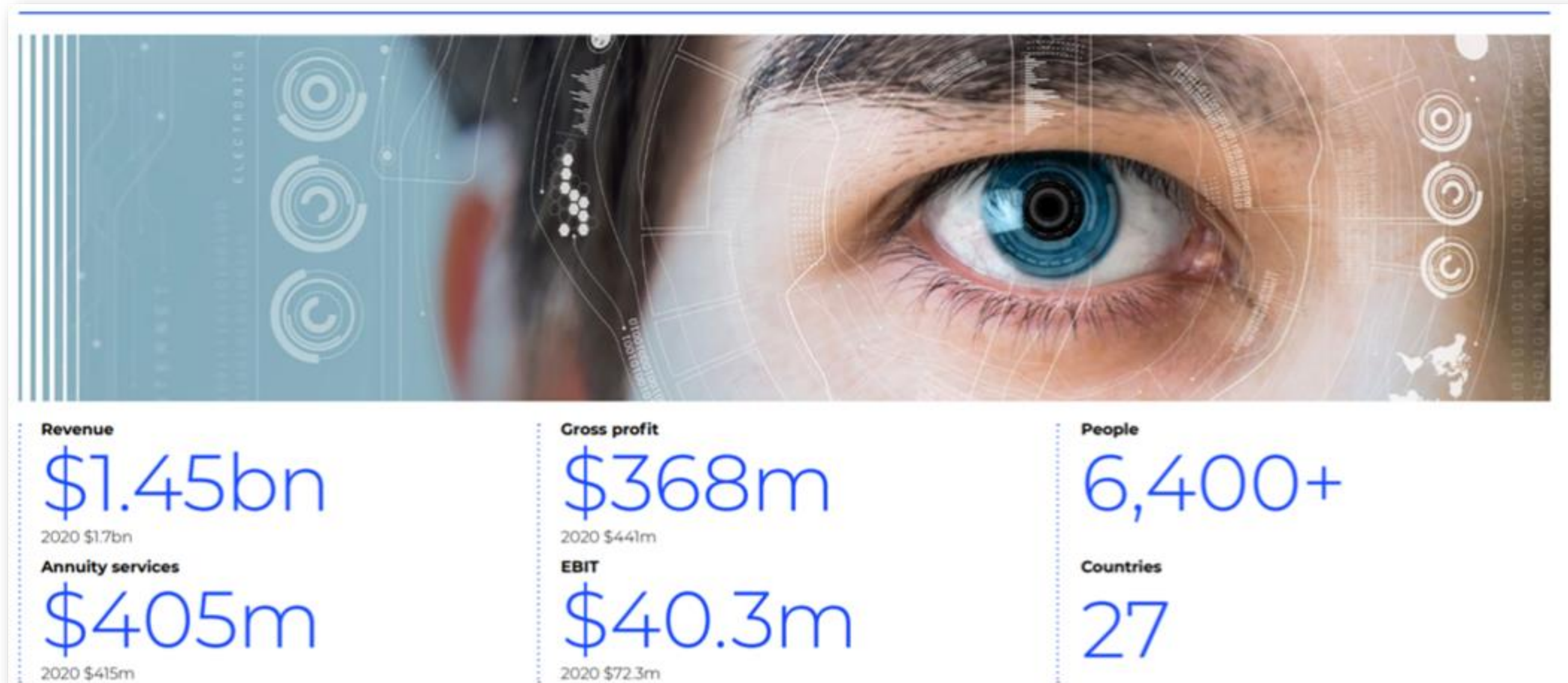
Security expertise
Our global team of security experts have deep domain knowledge across a range of security disciplines

Logicalis-at-a-glance

Logicalis is an international, solutions provider of digital solutions and services. We drive customers' success by using our technological expertise, industry knowledge and strategic innovation to ensure their transformation outpaces the momentum of change in their sector.

Revenue
$1.45bn
2020 $1.7bn

Annuity services
$405m
2020 $415m

Gross profit
$368m
2020 $441m

EBIT
$40.3m
2020 $72.3m

People
6,400+

Countries
27

ABOUT LOGICALIS

EMEA

Market Position:
Presence in 20 offices in the Channel Islands, Germany, Ireland, Portugal, South Africa, Spain and the UK.

North America

Market Position:
Operates across 17 offices in the US.

Latin America

Market Position:
Present in Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Mexico, Paraguay, Perú, Puerto Rico and Uruguay.
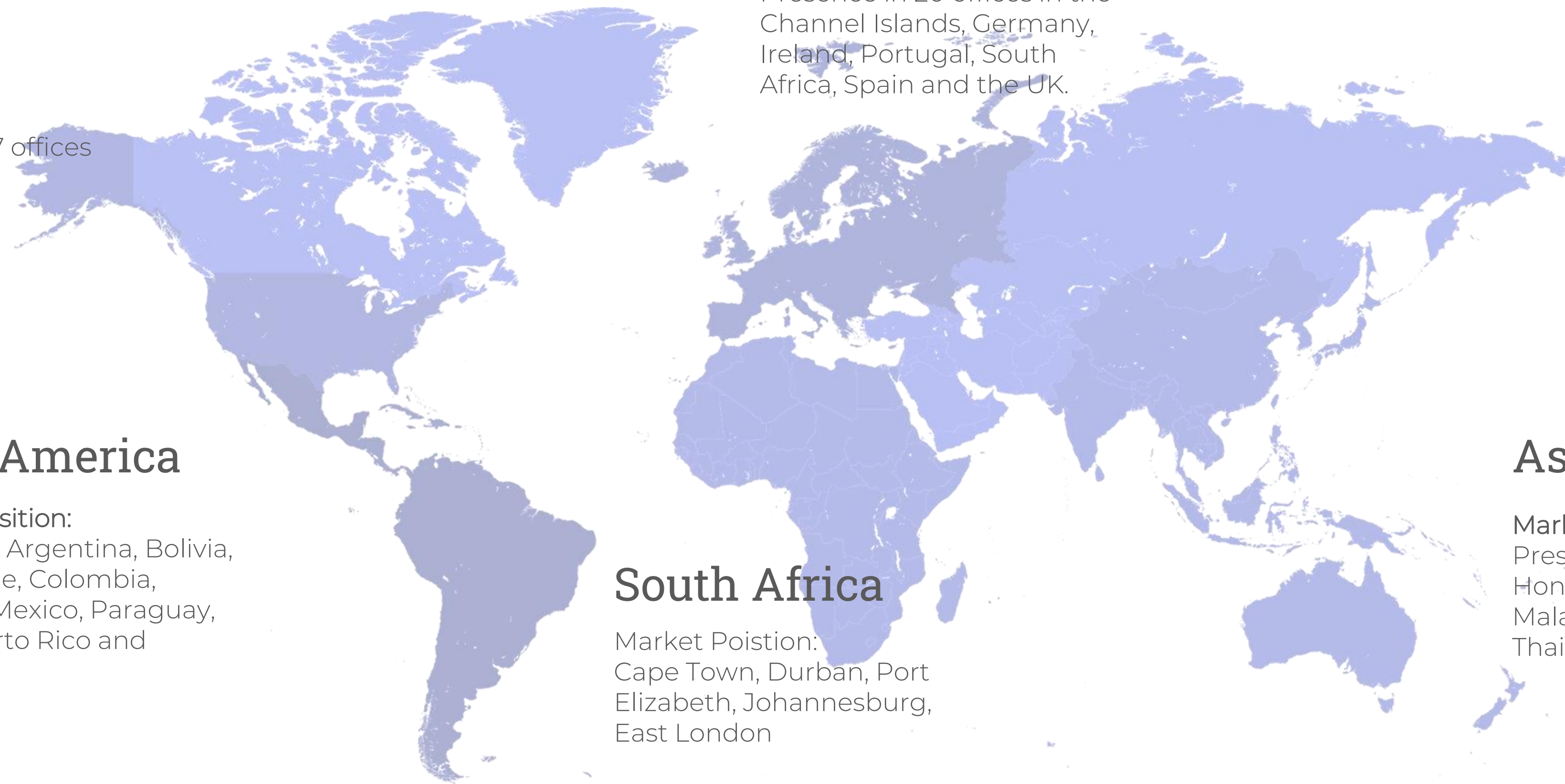
South Africa

Market Poistion:
Cape Town, Durban, Port Elizabeth, Johannesburg, East London

Asia Pacific

Market Position:
Present in Australia, China, Hong Kong, Indonesia, Malaysia, Singapore, Taiwan, Thailand and Vietnam.
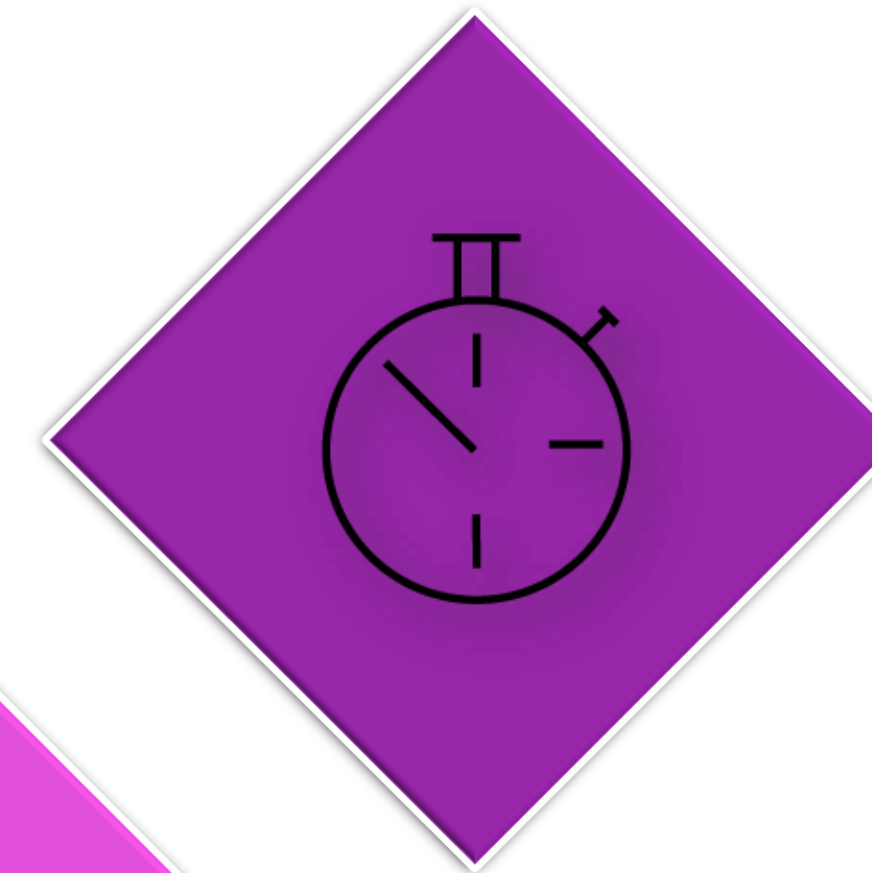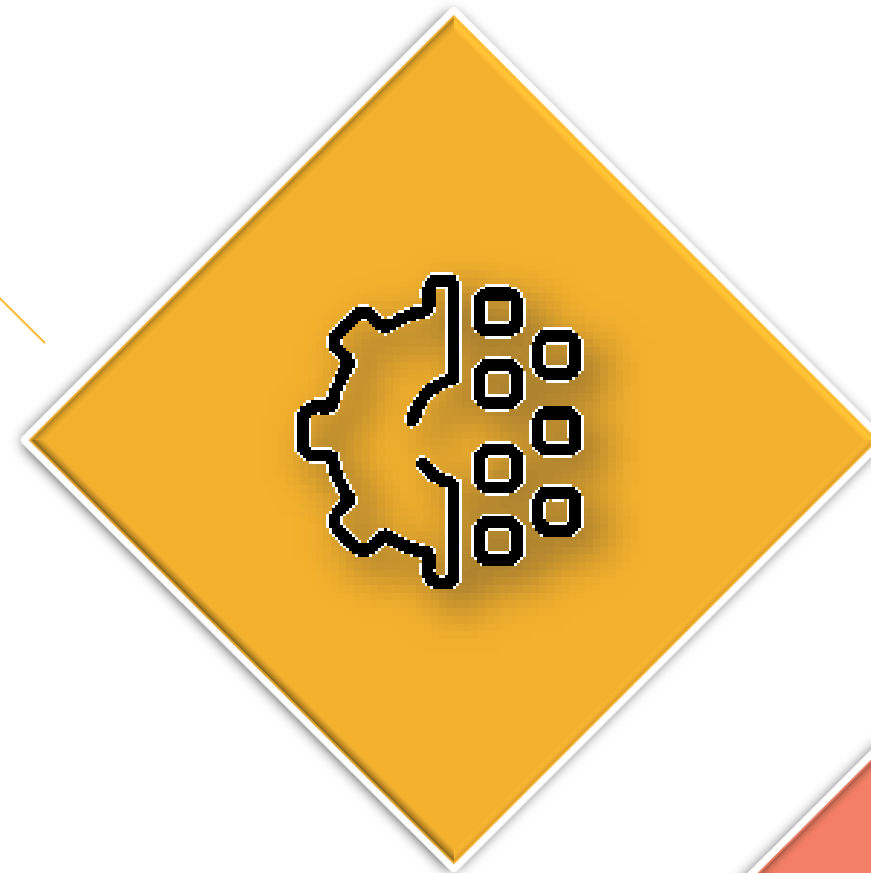
TRUSTED PARTNER FOR DIGITAL TRANSFORMATIONS

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- Problem Solvers specialized in delivering high performance solutions
- Cloud Native approach for smarter business insights

Digital Transformation

- Embedding Security in Digital Fabric
- Reshaping Future of Work with Modern Workplace solutions
- Portfolio of solutions across CX, DevOps & App Modernization

Right Platforms & Solutions

- Global Solutions for Scaling, automation and fast provisioning for workloads
- Greater Efficiency with built-in continuity and speed with modern infra
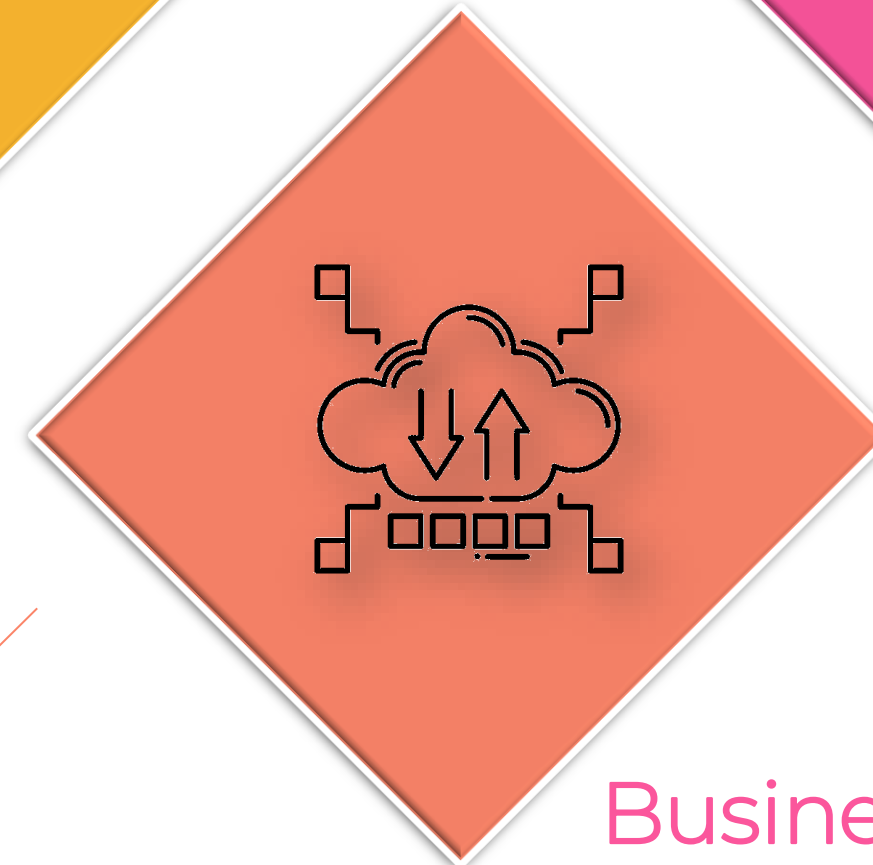
Business Value

- Operation Efficiency & TCO with Managed Services
- Microsoft AEMSP, AVS & Azure Stack Partner
- Integrated Solutions with a wide Partner Ecosystem
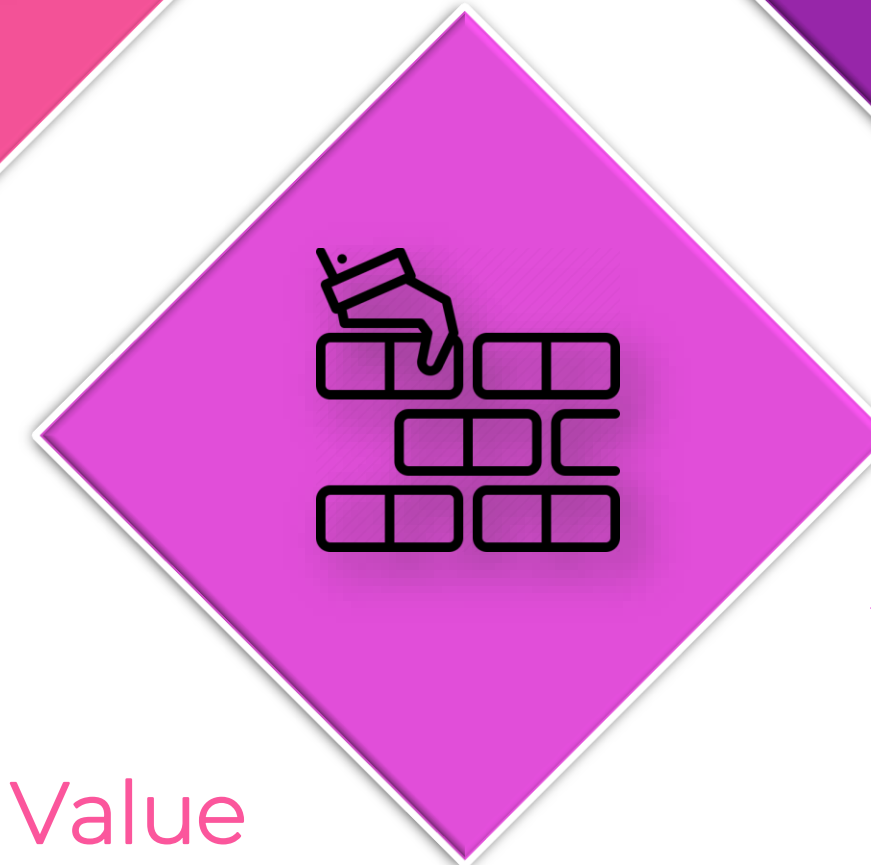
Domain Expertise

- Multi-cloud, Security, Systems & Networking expertise
- Multi-disciplinary and experienced local & Global CoE teams

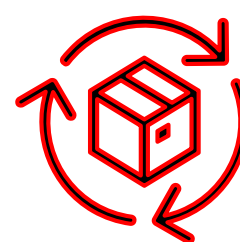# DIGITAL TRANSFORMATION PORTFOLIO & SOLUTIONS

Cybersecurity
- Network Security
- Cloud Security
- Managed EDR
- Managed Threat Detection and Response
- Secure OnMesh
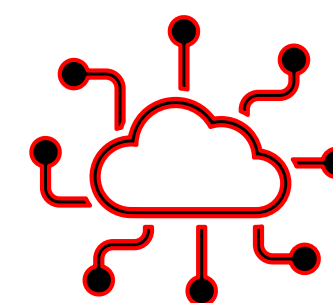- Container Security
- SASE
- XSOAR-as-a-Service
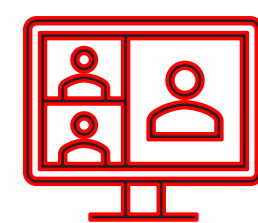
Modern Workspace
- Unified Communications
- Contact Centre
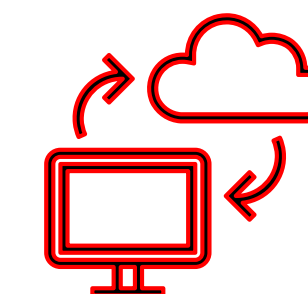- Office Productivity
- Desktop Technology

Apps & Data Modernisation
- Micro Services
- Containerisation
- DevOps Tool Chain
- APM
- API Management
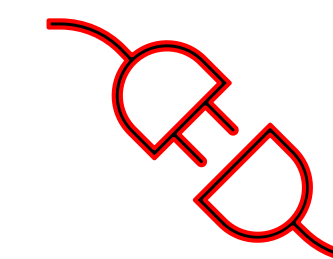- Data Analytics
- Data Management

Infrastructure Modernisation
- Data Centre
- Storage
- Servers
- Hyperconverged
- Load Balancing
- Automation
- Observability

Cloud Solutions
- Private Cloud
- Public Cloud
- Hybrid Cloud
- SaaS/PaaS
- Cloud mgmt. and migration solution

Network Transformation
- SDWAN
- SDN
- Wireless
- Mobility
- Network Management
- Observability

Consulting & Professional Services
Maintenance Support
Managed Services
Customer Success

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Thank you

info@ap.logicalis.com