# 5G Network Slicing

Empowering Vertical Industries

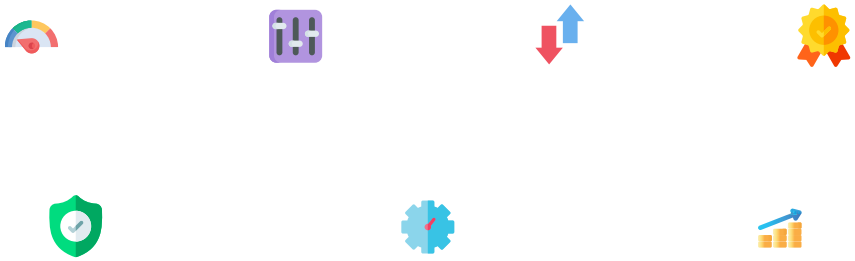
## 1. Introduction

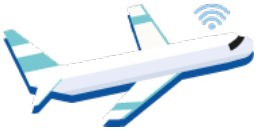




# 2. What Is 5G Network Slicing

## 2.1. Advantages of Network Slicing





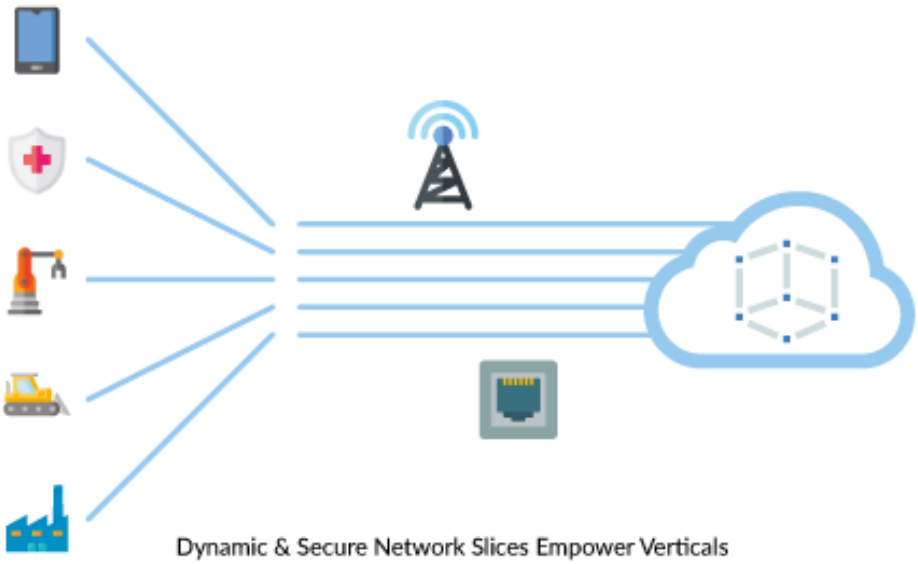


## 2.2. Network Slicing Services

1. **eMBB (Enhanced Mobile Broadband)**

2. **uRLLC (Ultra-Reliable Low Latency Communications)**

3. **mMTC (Massive Machine Type Communications)**



Dynamic & Secure Network Slices Empower Verticals

# 3. The Current Market & Industry Analysis





## 3.1. Challenges

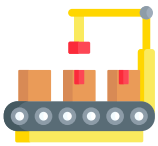
## 3.2. Benefits of Using 5G and Network Slicing

- **Low Latency**

- **Offers Diversified and Isolated Network Services**

- **Security**

# 4. 5G Network Slicing Empowering Vertical Industries



Automated Manufacturing



Healthcare Departments



Defense



Self-Driving Vehicles



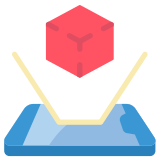
Smart Cities



Smart Homes




4K/8K Video Streaming



Virtual And Augmented Reality

## 4.1. 5G Smart Grid



- **Power Distribution Automation**

- **Power Differential Protection**

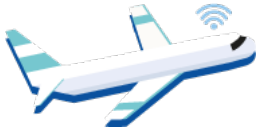




- **Power Station & Lines Inspection**









## 4.2. 5G Intelligent Mining





## 4.3. 5G Smart Port





| Application Scenario | Scenario Description | Overal Requirement | Network KPI Requirement | | |
|---|---|---|---|---|---|
| | | | Latency | Bandwith | Reliability |
| Remote Control Based on Video | | | | | |
| | | | | | |
| IGV/AGV | | | | | |
| Video Surveillance | | | | | |
| Sensor Data Collection | | | | | |

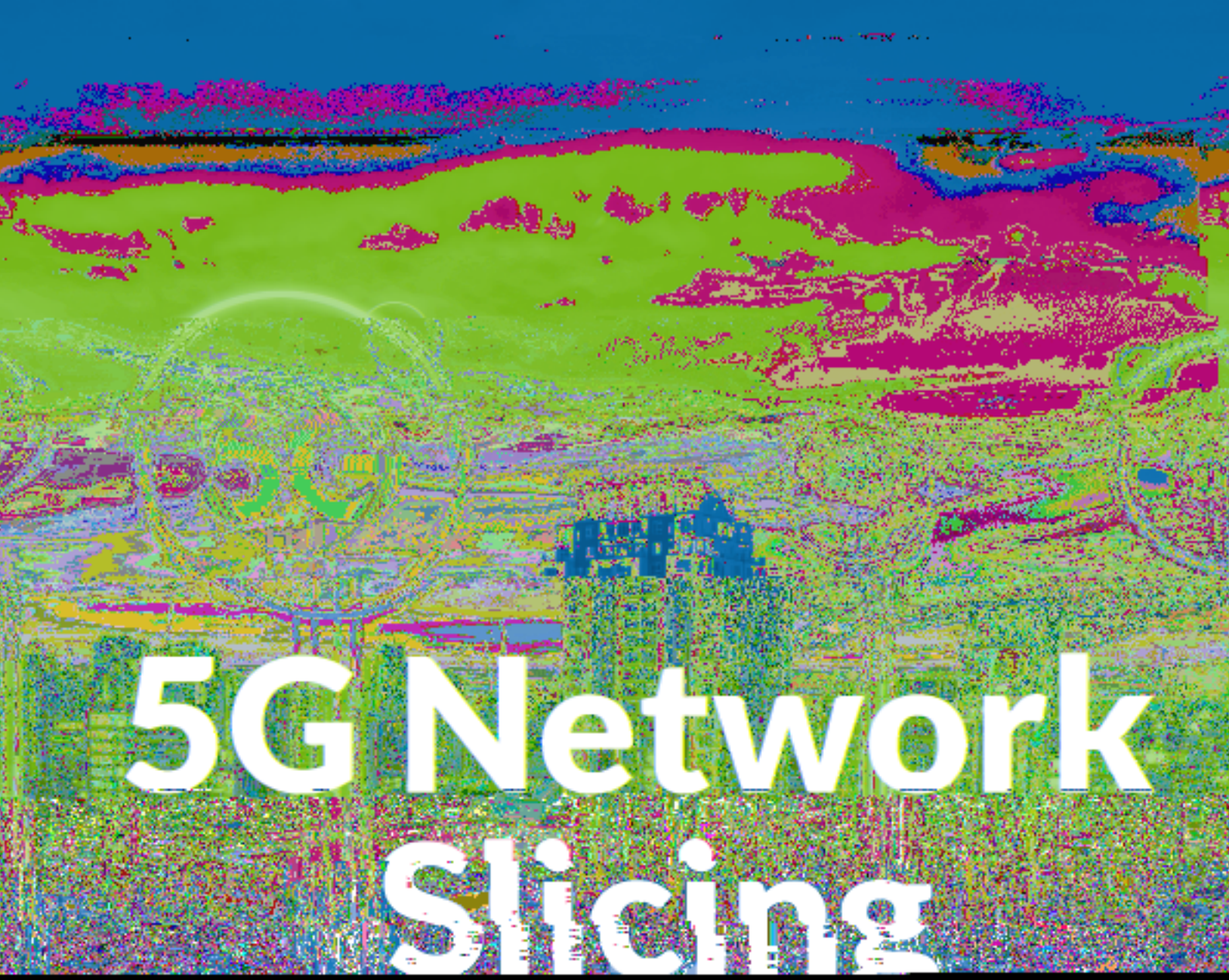
## 4.4. 5G Live Stream





# 5. Conclusion




5G Network
Slicing