**DNS networks**

# IT Support

Learn how you can protect your business and grow your profits with our IT, cybersecurity and more.

## CONTACT INFORMATION

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CERTIFIED
**ISO 27001**
BUREAU VERITAS

# Industry 5.0

**The Improvement of Employee Satisfaction**

The significance of artificial intelligence (AI) will continue to increase in Industry 5.0. Incorporating relevant autonomous learning algorithms can enhance business decision-making, streamline manufacturing procedures, bolster safety protocols, and boost predictive maintenance by advancing the pre-emptive upkeep of machines and apparatus.

By aggregating data from all the moving parts of your business, we can help you develop business intelligence relevant to your industry that will guide your operations teams and investors in their daily interactions.

Industry 5.0 is evolving to bring companies enormous opportunities to increase efficiency and productivity through automation and interconnected systems. Sensors and intelligently manufactured technology continue to improve the entire production process.



**Better infrastructure, better world.**

## Managed IT and Security Services

Our solutions are designed and built to withstand unpredictable and even hazardous conditions. Industries such as mining and agriculture need rugged connectivity solutions with hardened enclosures designed and tested for harsh environments.

Technologies with built-in redundancy, predictive maintenance measures, and environmental monitoring can increase safety, efficiency, and productivity - supporting long-term cost savings and business growth.

## Digital Transformations in an Industrial Setting

- Implementation of Industrial IoT & IIoT Platforms

- IT Managed Security Services

- Process automation

- Edge/Cloud Computing

- AI & Machine Learning Algorithms

The DNS family of companies will help you focus on real business needs and current performance challenges by building on solutions that have worked well at individual sites and bringing them all together pragmatically across a common network.
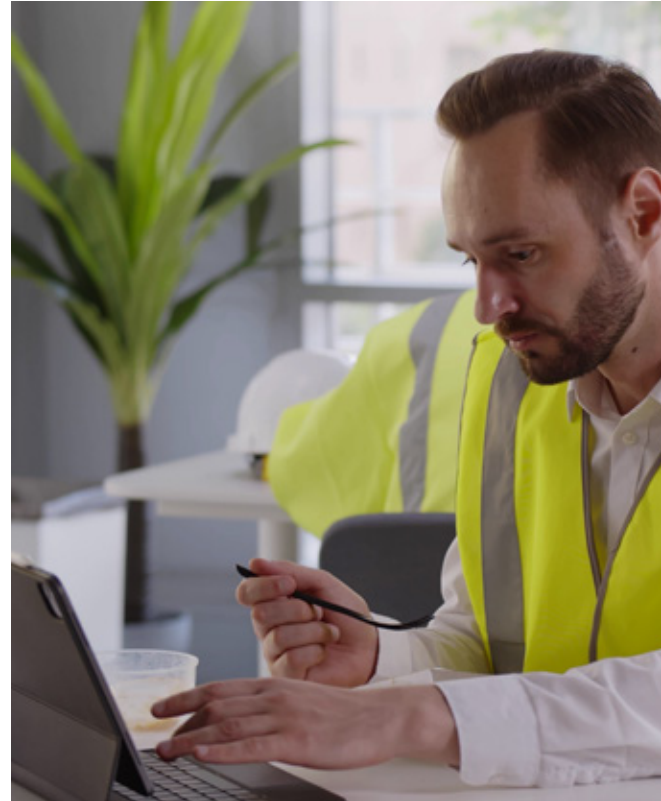
# Smart Community Living

**Building smart communities in remote locations.**

DNSnetworks helps implement an operating platform to improve the overall community living experience by providing an integrated IoT network, resulting in a better experience.

- Reduce Utility Costs
- Connect all residents & augment the living experience
- Full entertainment access - IPTV media streaming service
- Security & Video Surveillance
- Amenity bookings (Gym, Meeting Room, Dining, Hygiene, and more)
- Centrally management (Residences & Worksites)
- Mobile App & Fob integration to residents

**Better infrastructure, better world.**

# STRATUS51

**Smarter infrastructure through innovation.**

# Security & Infrastructure

Build and maintain resilient IT & security solutions that are innovative and cost-effective.

## CONTACT INFORMATION

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# Stratus51

**Industrial Security, IoT, Access Control and Structured Cabling**
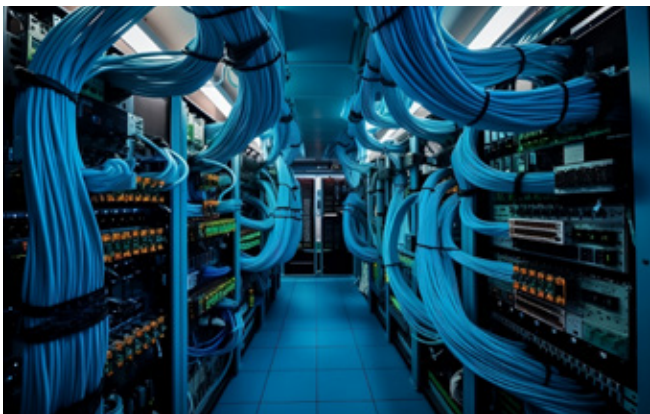
## Mission Critical Communication

The mining industry is going through a stage of digital transformation and automation. This continual progression brings new connectivity challenges. Modern exploration relies on geophysical and geochemical technologies, producing enormous data sets.

Wireless technology is required for video surveillance, sensor data, remote software coordination of drilling rigs and operations and more. The more efficiently these systems can work together, the more comfortable and safer these environments can be maintained.

## Predictive Maintenance through IoT + Analytics

Applications benefited by distributed coverage of 5G to collect data from IoT sensors across the mine and feed the asset management and advanced data systems. The data lakes can be used to build advanced artificial intelligence algorithms for us in preventative diagnostics and help discover new efficiencies in the mining industry.

**Networks
that are
connected and safe.**

### Video Surveillance + AI

Emerging technologies powered by machine learning, AI, and algorithms. Machine Learning could be deployed to process digital images, feature point detection, facial recognition, signature patterns, environmental changes, and more.

Real-time Monitoring and alerting for enhanced safety, security, and awareness.

### Access Control + AI

Security extends beyond video surveillance. Access control systems can monitor the movement behaviours of all individuals, including employees and contractors, who have access to your premises. These systems accumulate data over time to establish standard movement patterns. Any deviation from these norms can trigger alerts for human review and possible intervention.

### Data analytics can also:

1. Analyze alarms across time.

2. Diagnose faulty hardware, such as door sensors.

3. Pointing out anomalies in cardholders' behaviour for accountability.

4. Provide insights and matrix on where people spend their time.