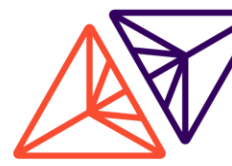


SECURING CONNECTED TRANSPORTATION



TRANSFORMING TRANSPORTATION

AVIONICS

- Software Defined & Cloud Connected Cockpit Systems
- AI Driven Predictive Maintenance
- AI Enabled Co-Pilot Function
- Enhanced Passenger Experience with IFEC Systems
- Next-Gen Avionics Suites and Software-defined Cockpits

RAILWAYS

- Increasing digitalization of rail systems
- Expansion of high-speed rail networks
- Evolution to ERTMS L 3
- Predictive Maintenance
- Passenger Experience – Apps, Infotainment, Ticketing

MARINE

- Increased adoption of LEO Satellites
- AI powered route optimization
- AI driven Predictive maintenance
- Autonomous Vessels
- Smart port operation
- Maritime robotics for cargo management, ship maintenance and port operations

OFF ROAD

- Connected & Autonomous Machinery
- Equipment as a Service driving Increasing integration of IoT and automation in industrial vehicles
- AI & Predictive Analytics
- OTA updates and AI-based Predictive Maintenance



WHAT IS DRIVING THE CHANGE?

Operational Efficiency

Safety

Passenger Experience

Cost of Operation

Connectivity at Scale

1



30%

Reduction in unplanned maintenance events



30%

Reduction in unplanned Outages

AI Everywhere

2



20%

Reduction in Repair Costs



70%

Reduced breakdown in mining operations

Digital First Operations

3

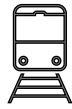


GROWING ATTACK NUMBERS!



500%

SURGE IN GPS SPOOFING
& JAMMING



220%

INCREASE IN CYBER ATTACKS
(5Y), MOSTLY RANSOMWARE



80%

OF US S-S CRANES FITTED
UNAUTHORIZED COMM DEVICES



1000

CIVILIAN FLIGHTS EXPERIENCED
NAV SYSTEM DISRUPTIONS



3x



Transportation

11%



WHAT MAKES TRANSPORTATION CYBERSECURITY UNIQUE?

Long Lifecycle

30+ yrs

Safety Criticality

Fail Safe

Remote Operations

Limited
Patching



RAIL SYSTEMS

30-35 YEARS OPERATIONAL WITH LEGACY COMPONENTS



AIRCRAFT

25-30 YEARS SERVICE WITH LIMITED SECURITY-BY-DESIGN



FAIL SAFE

PRIORITIZE HUMAN SAFETY ABOVE ALL



CONNECTIVITY

CONNECTIVITY LIMITATION

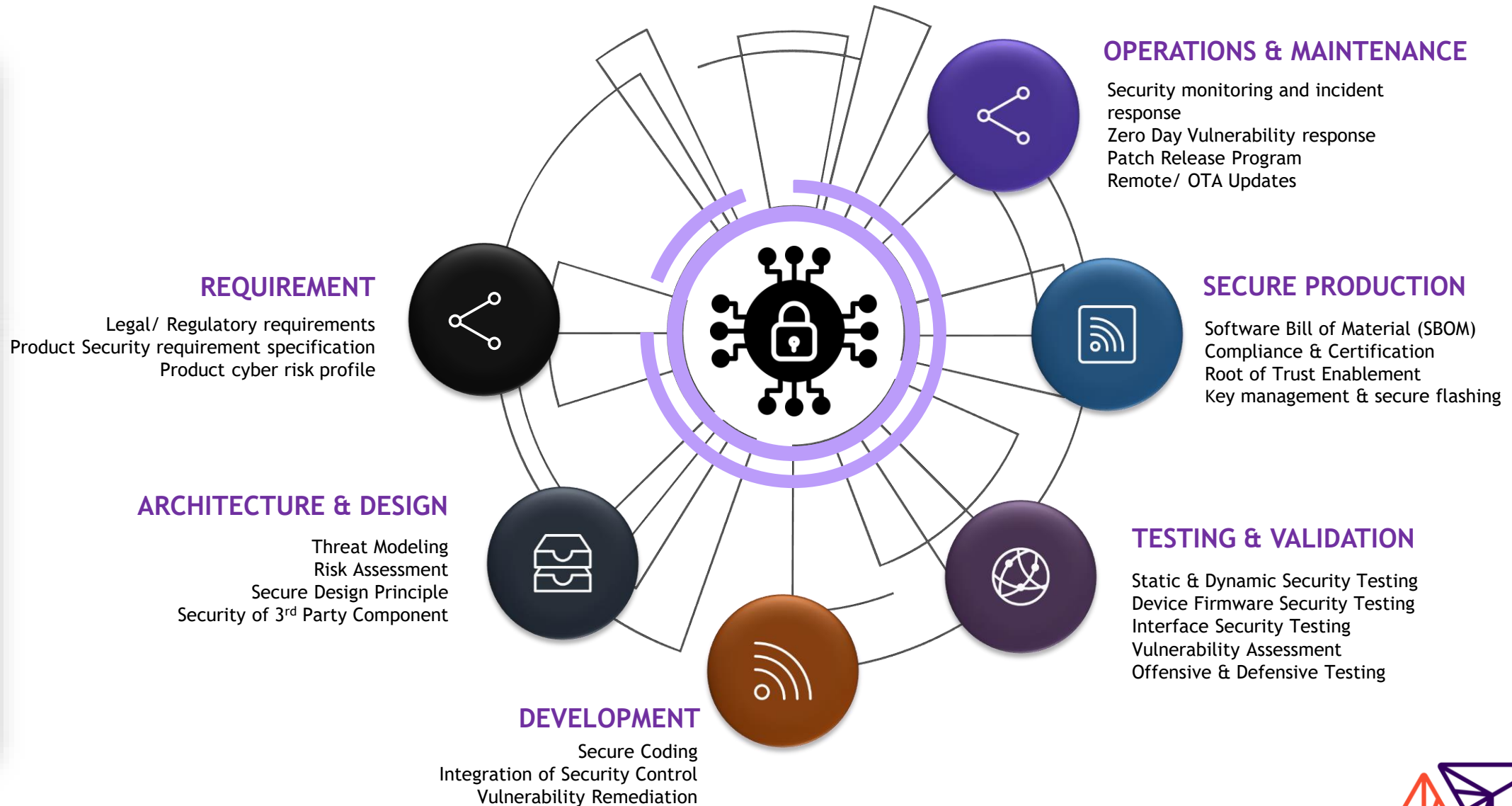
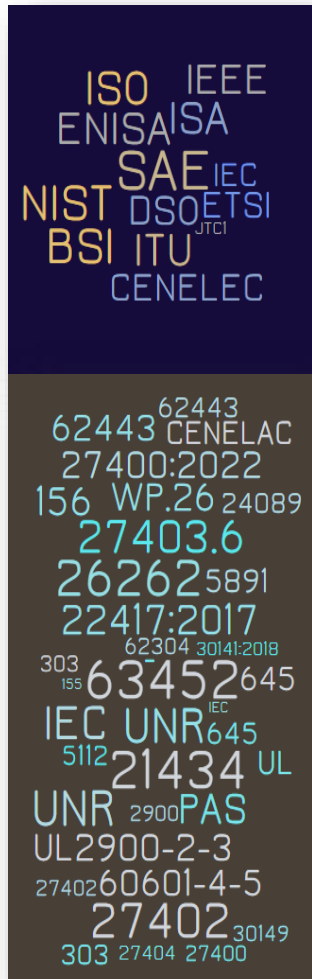


REGULATIONS

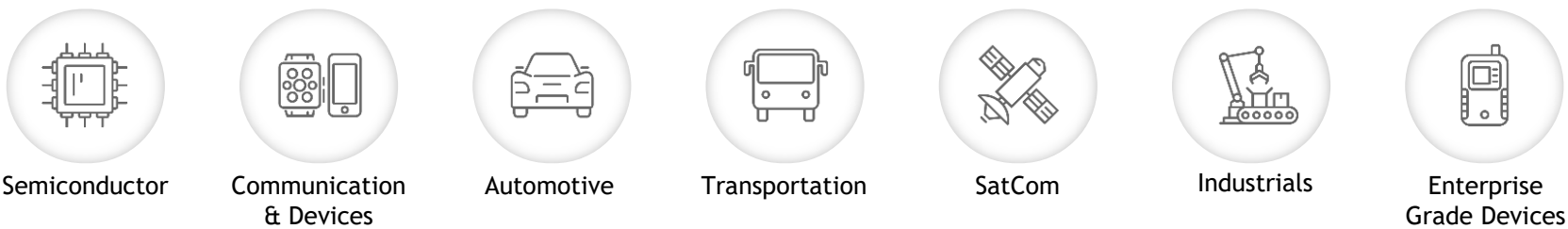
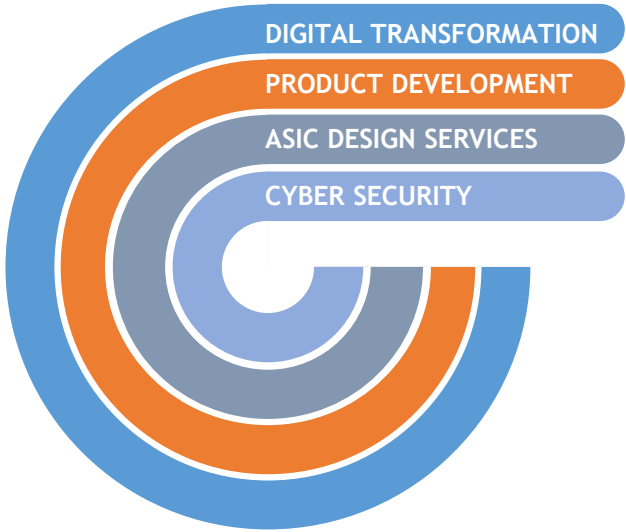
PATCHY AND WEAK CONNECTIVITY



SECURITY MUST BE BUILT THROUGH THE LIFECYCLE



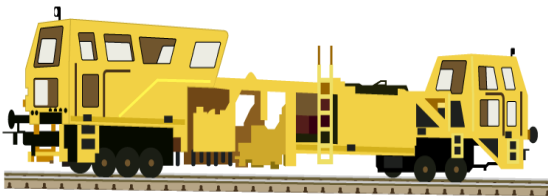
SASKEN AT A GLANCE



Select Products Enabled by Sasken



GSM-R, FRMCS RAN system & Cabin Radio



High-Speed Rail Track Condition Monitoring Platform



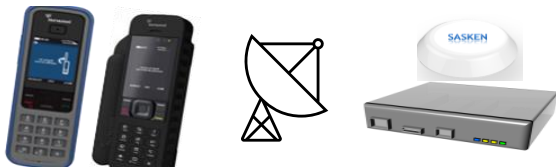
Telematics for Construction Vehicles



Cockpit for Smart Heavy Machinery



OEM Unified IoT Platform



Satellite Terminal



Android IFE system



IoT Platform for Fleet Management



Edge Analytics Machine Vision



High Speed Laser Welding



Precision Fastening Tool



Production Tester



World's first high-speed satellite broadband device
For critical communication,
powered by Sasken

Redefining Communication

Sasken extends its appreciation to Lockheed Martin and NTT DCOMO for the privilege of being chosen to pioneer the world's first series of LTE-based Satellite Terminals. These terminals are revolutionizing dependable broadband satellite connectivity and setting a groundbreaking standard.



Scan the QR code
for product details

Brilliance in engineering, honoring the minds:

Aji Sathyavathan, Aki Myllymäki, Alakh, Ambarish Mishra, Amit Gandhi, Anand Sharma, Angelica Jansson, Apoorva H, Ari Tastula, Arto Lahti, Arunkumar N, Aswin Mohan, Atul, Avani Kumar, Balaji Narayanan, Bhajendra H V, Biju Philipose, Binod Mohanty, Biswajit Mohanty, Bithu Goswami, Chethan Kumar B R, Daruk Prasad Sheelmath, Deepak Reddy, Diganta Bhattacharjee, Dinesh S L, Dinesh Singh, Dinesh Yadav, Eshwara Naik, Galla Poornima, Gurunath Malagi, Harikrishna A, Iqbal Shareef, Ismo Koivisto, Jaakko Järvelä, Jacob John, Jani Turpeinen, Janne Laakso, Janne Paavola, Jari Kaskelin, Jayalakshmi N, Juha Korpela, Kaja, Kamathi Pandian Maniram, Kantesh Kumar Gaurav, Kari Lahti, Karim Khan Pathan, Karthikeyan Ponnusamy, Kavitha Ayyapurethy, Kavya Suresh Gouda, Kishore Lenka, Komal Vanjare, Krishna Prasad, Kurakula Gopala Rao, Lakshmi Suvama Konda, Lasse Hänninen, Lourdu Xavier, Manas Ranjan Baliarsingh, Manish Dhanake, Manoj Korapati, Marko Helto, Marko Timonen, Mikko Keskilammi, Mohamed Rizwanul Islam, Mohammad Faris Qureshi, Nadeem Athani, Narendrababu S N, Naresh Kumar, Nethravathy A N, Nikhila Potabattula, Nilofar Chanda, Nirmal, Pasi Niemi, Pragati, Pranav Lavate, Prasun Datta, Praveen Duseethy, Praveen Sinha, Preeti Melligeri, Puneeth Vittaldas Kini, Putta Prasad, Raghavendra, Ragini G R, Rahul Gupta, Rajdeep Sarkar, Rajesh Sen, Rajeshwari Kumbar, Ranjith Kandasamy, Raunaq Sinha, Rishab Gupta, Risto Siponkoski, Roopa G, Roopa Jairamachary, Rudresh, Ruhee Singh, Rupesh, S Srikrishna, Sadeesh Kumar, Sami Vähähyppä, Samuel Kaariniemi, Sanjay Kumar Gupta, Saurabh Singh, Seppo Onatsu, Sharanasunil Lekkad, Sharon Mathew, Shiva Bhargav Yalagonda, Shreyas Deshpande, Shrikanth B Holla, Shweta Jain, Siddiqua M Mulla, Sivabala Jothibose, Soujanya Kalal, Soumalya De, Sowmya Surendra, Sruthi Unnikrishnan, Subhas Kamble, Sudha Kini, Sukrut Bellary, Sumanth K, Sunil, Surbhi Tanwar, Swadesh Ranjan, Swapnil Patil, Thomas, Timo Ruostesaari, Tommi Palosaari, Tuomas Kentala, Umamaheswara Reddy Kurukuru, Vadivel Murugan, Vetri, Vikash Kumar Thakur, Vikram Bajaj, Vikram Bidkar, Ville Palosaari, Vinay Kumar, Vishnu Pratap Singh, Yashaswi Kashyap