Your work takes you to some of the world's most extreme conditions, and you pushed us to create the world's most rugged PCs. We accompanied you to the harshest environments to become stronger than ever before and have proved our worth by developing models with the rugged durability to stand up to any challenge. Because when everything on our machines is created with purpose, you can better achieve your own.

See the most common industry workflows next:
In today's manufacturing climate your people, machines and production systems all need to perform. Whether your environment involves automated or manual processes, conditions can often prove disastrous for standard PCs. Heat, dust, vibration and accidental drops can all cause delays to the production and shipment of goods. With Dell Rugged computers, you cut this risk and keep your production lines running smoothly and profitably.
Overcome these challenges with Dell’s solutions below:

1. Challenges:
   - **MACHINE OPERATOR**
     As a machine operator, you need devices that can move with you across the manufacturing floor.

2. Challenges:
   - **FLOOR SUPERVISOR**
     As a floor supervisor, you need to be highly mobile across the manufacturing floor and need a solution that can move and work with you from floor to desk.

3. Challenges:
   - **PRODUCTION ENGINEER**
     As a Production Engineer, you work between the manufacturing floor and the back office.

4. Challenges:
   - **QUALITY CONTROL**
     As a Quality Controller, you rely on mobile computing solutions that can process data efficiently and reliably.

5. Challenges:
   - **INVENTORY CONTROL/LOGISTICS**
     Ensuring raw materials and components are readily available for production lines.

For further information, please visit:
- **Shop Floor Automation** Find Out More
- **Floor Management/Engineering** Find Out More
In the fast-paced world of manufacturing, you can count on Dell's Rugged systems to keep up. With your work in mind, we created machines that are easy to embed into your manufacturing processes to ensure critical data is captured and tasks are executed as required for efficient and profitable manufacturing.
Floor Management & Engineering Solution

On the factory floor, or in the office, Dell Rugged solutions seamlessly transition across any environment.

Dell Latitude 5430 Rugged Notebook

Works as hard as you do

Only your work gets inside

All Day Power

Shoulder strap

Battery Charger

Desk Docking

Dell Latitude 5430 Rugged Laptop spec sheet

Rugged For the Real World

Why Dell and Intel® for Rugged PCs?
Users working in extremely hazardous environments across oil and gas need devices that are deemed intrinsically safe. The Dell Latitude Rugged computers and tablets comply with ANSI/ISA.12.12.01, CAN/CSA C22.2 as well as ATEX on our 7220EX tablet allowing them to be used in potentially explosive environments. All while providing the performance, connectivity and capacity companies need to scale fast, do more and stay competitive.
Overcome these challenges with Dell’s solutions below:

**Challenges:**

1. Trends in the digital transformation of extraction and production are changing processes for collecting, analyzing and acting upon data.
2. Location and extraction of the world’s energy sources are becoming more reliant on technology advances.
3. Reductions in revenue resulting from slowing or stoppage of extraction and production due to antiquated systems and tools.

**Exploration & Extraction Tablet Solutions**

**Exploration & Extraction Laptop Solutions**
Rugged Solutions are exploration and field ready, providing reliable uptime and helping you work in the most challenging environments.
In the toughest environments, Dell Rugged delivers reliability and full-scale mobility solutions to fit every scenario you encounter.
Rock Oil has come a long way since it was first used as a medicine in the 1800’s. And today, it is refined for use in countless other ways. To prevent interruption to production, you need maximum uptime from your equipment, and Dell Rugged laptops and tablets are built to provide stability in any environment.
Midstream Processing/Transportation/Refining

Challenges:
1. In a high-risk environment with combustible elements, the inspection and maintenance of pipelines is a mission-critical piece of the equation.
2. Personnel need reliable hardware to access critical data to inspect, maintain and communicate back findings in potentially austere environments.
3. Increase operational efficiencies, maximize productivity and produce goods at a lower costs while reducing risk that impact safety and profitability.

Overcome these challenges with Dell’s solutions below:

- Processing/Transportation/Refining
- Supervisory/Engineering
Dell Rugged solutions are lightweight, powerful and strong. Accomplish tasks, monitor production and ensure safety in the most austere environments.
Supervisory & Engineering Solutions

Dell Latitude 7330 Rugged Extreme Notebook

In the toughest environments, Dell Rugged delivers reliability and full-scale mobility solutions to fit every scenario you encounter.

Nerves of steel.
Less »
The latest 13” notebook made with shock-absorbent materials that meets rigorous military-standard requirements. Compression-sealed from sand, dust and liquids.
Rugged performance powered by the latest 11th Gen Intel® Core™ processors.

A true workhorse.
Less »
The Dell Rugged Extreme 7330 offers the latest Intel® 11th generation processors, up to 32GB of memory, 5G mobile broadband connectivity, Wi-Fi 6E, dual hot swappable batteries, and glove touch capable screens with up to 1400 nits of brightness to ensure you have the power to get your through the day. Secure your data with integrated security options like Smartcard and Fingerprint readers to keep unauthorized users out.

Shoulder strap
More »

Docking Solutions
More »

Battery Charger
More »
Users within the military community rely on technology to transfer critical data quickly and securely – often in extreme, austere and challenging environments. Equipment failure resulting in possible life-threatening downtime is not an option. Defense agencies worldwide put their trust in Dell's Latitude Rugged Laptops and Tablets with extreme rugged features required by MIL-STD-810G/H testing standards, ingress protection of IP65 and multiple mobility options to keep you connected and in the fight.
Overcome these challenges with Dell’s solutions below:

Challenges:

1. Standard computing platforms will not last in extreme austere environments. System reliability for communications and readily available data are key elements to the war fighters success. Additionally, machines are used in long shifts, devices require long battery life and the ability to withstand high vibrations/shocks and drops.

2. Environments and locations of fleet resources can change quickly. Easy to manage solutions with flexible mobility configurations are needed throughout the organization.

Military

FRONT LINE OPERATIONS
In the field and on the front line, you need reliable technology that works as hard as you. Rugged solutions enable you to optimize data analysis, power through intensive data collection and easily handle long, on-site tasks in remote locations regardless of the environment.

IT/SECURITY PROFESSIONALS
You need powerful, reliable fleets of systems capable of powering through intensive data collection and analysis with solid mobile rugged solutions. With Dell’s core tenants of reliability, security and manageability our Rugged solutions ensure you peace of mind that our durable solutions will keep your fleets connected and on task to complete critical operations.

You need powerful, reliable fleets of systems capable of powering through intensive data collection and analysis with solid mobile rugged solutions. With Dell’s core tenants of reliability, security and manageability our Rugged solutions ensure you peace of mind that our durable solutions will keep your fleets connected and on task to complete critical operations.

Field Operations/Down Range Tablet Solution
Find Out More

Field Operations/Down Range Laptop Solution
Find Out More

Operational Support Laptop Solution
Find Out More
Field Operations/Down Range Tablet Solution

Dell Latitude 7220 Rugged Extreme Tablet

In the most challenging environments, Dell Rugged provides reliability and mobility solutions for every scenario whilst keeping your data safe with security options like integrated SmartCard readers.

Rugged for the Real World

Why Dell and Intel® for Rugged PCs?

Military
When you need rugged capability in any circumstance, Dell Rugged delivers reliability and full-scale mobility solutions to fit every scenario you encounter whilst keeping your data safe with security options like integrated SmartCard readers.
Supporting the war fighter could place you in environments that would make standard computers fail. Rugged mobile solutions from Dell will provide you the reliability and durability whether you are in a dusty tent in the desert or the back office in a hardened facility.
Whether it is supporting citizens after a natural disaster, chasing dangerous fugitives or putting satellites into space, Dell offers mobility solutions powerful enough for data crunching and analysis and flexible enough to take the rigors of the field with you when you have to go. Dell’s Rugged Latitude 5420/5424 notebooks are purpose built to be the most versatile IT asset you have. With Rugged features to stay operational in the field, like dual hot swappable batteries for continuous use and protection from elements such as dust and moisture, you’ll be at ease knowing you can conduct your job wherever your it takes you. Staying connected anywhere is easy with integrated mobile broadband and GPS.
Federal Civilian Agency

CIVILIAN AGENCY PROFESSIONALS

When your role as a Civilian Agency Professional requires you to get in the field you rely on your technology to keep up with you. Rugged reliability and connectivity will keep you engaged and efficient when providing critical services to the community you serve.

IT ADMINISTRATORS

Your users may go TDY to help or constantly be in elements and environments that would destroy standard computing platforms. Beyond security and manageability of this fleet you don’t want to also have to worry about reliability.

Challenges:

1. Need devices that are TAA compliant with integrated smartcard readers, can be equipped with mobile broadband, and are easily managed.

2. Need devices that can be deployed and used in settings that require protection from potentially challenging working conditions.

Overcome these challenges with Dell’s solutions below:

Office/Field Solution

Find Out More
Office/Field Solution

Dell Latitude 5430 Rugged Notebook

Dell Rugged powers your fleet’s performance and security, while giving you flexible mobility solutions for every workspace.

Rock-solid reliability, security and manageability.

Works as hard as you do

Dell Latitude 5430 Rugged Laptop spec sheet

Dell Rugged powers your fleet's performance and security, while giving you flexible mobility solutions for every workspace.

Rock-solid reliability, security and manageability.

All Day Power

Battery Charger

Shoulder strap

Docking Solutions

Works as hard as you do

Find Out More

Why Dell and Intel® for Rugged PCs?

Find Out More

Federal Civilian Agency
Whether it is supporting citizens after a natural disaster, chasing dangerous fugitives or putting satellites into space, Dell offers mobility solutions powerful enough for data crunching and analysis and flexible enough to take the rigors of the field with you when you have to go. Dell’s Rugged Latitude 5420/5424 notebooks are purpose built to be the most versatile IT asset you have. With Rugged features to stay operational in the field, like dual hot swappable batteries for continuous use and protection from elements such as dust and moisture, you’ll be at ease knowing you can conduct your job wherever your IT takes you. Staying connected anywhere is easy with integrated mobile broadband and GPS.

Law Enforcement
Law Enforcement

Challenges:

1. Require mobile data system capable of withstanding extreme temperatures and vibration, daylight readable screens capable of wireless communications, and vehicle location options for dispatch and data request/capture, as well as lockable secure mobile data vehicle docking.

2. Require manageability tools for simplification and ease of fleet management, as well as access to 24x7 365 day technical support.

Overcome these challenges with Dell’s solutions below:

- **Patrol Tablet Solution**
- **Patrol Laptop Solution**
- **IT Back Office Solutions**

State/Local Police Officers
As a Police Officer or Chief, you need a mobile, reliable GPS solution that can be easily mounted in vehicles and accessed on the road with the tightest security settings. You have come to rely on your mobile computing platform as you have your vehicle or even your firearm. Reliability, experience and accuracy are key to keeping you and our communities safe.

Law Enforcement IT Administrators
You may not be on patrol, but you are the first one to get called if the mobile data system is not functioning properly. You and your communities sleep better at night when data is accessible and hardware performs as it should, because of extensive testing and certifications.

Find Out More

Find Out More

Find Out More
Patrol Tablet Solution

Dell Latitude 7220 Rugged Extreme Tablet

Whether it's on the road or in the office, Dell Rugged powers reliability and flexibility anywhere you may be.

Rock-solid reliability, security and manageability.
Dell Latitude 7330 Rugged Extreme Notebook

When you need Rugged capability in any circumstance, Dell Rugged delivers reliability and full-scale mobility solutions to fit every scenario you encounter whilst keeping your data safe with security options like integrated SmartCard readers.
Dell Rugged powers your fleet’s performance and security, while giving you flexible mobility solutions for every workspace.

Rock-solid reliability, security and manageability.

All Day Power

Shoulder strap

Battery Charger

Display Port Desk Dock

Works as hard as you do

Only your work gets inside

Dell Latitude 5430 Rugged

Laptop spec sheet

Dell Rugged powers your fleet's performance and security, while giving you flexible mobility solutions for every workspace.

Rock-solid reliability, security and manageability.
When you get called to service, lives and property are on the line. So you rely on technology to keep up with you wherever you are called. From dispatch to being on scene or entering EPCR data from your patient, you need systems that can withstand the rugged conditions you are exposed to, while maintaining critical wireless communications throughout the call. Dell Rugged will be there for you, reliably, to provide these vital services.
Fire & EMS Services

FIRE FIGHTER

Whether the high heat from the burning structure or the excessive vibration while mounted on the engines doghouse, you and your computers are exposed to extreme conditions.

EMERGENCY MEDICAL TECHNICIANS

When seconds matter, you need a reliable wireless and GPS enabled solution to get you on scene to save lives. Gathering EPCR data should be easy with flexible solutions for pen based, touch or keyboard entry. Long battery life for extended shifts and drop and ingress protection are key.

IT ADMINISTRATORS

Diverse assets deployed to various parts of the community require you to be able to easily manage those IT components, while trusting that reliable, secure devices can withstand extreme environments to continually perform.

Challenges:

1. Excessive vibration in fire apparatus and exposure to extreme conditions challenge reliability in computing platforms.
2. Reliable communications and GPS solutions needed for critical time sensitive incident response.
3. EMT first responders are constantly on the go, frequently utilizing tablets to input patient diagnostics, obtain signatures and track data.

Overcome these challenges with Dell’s solutions below:

EPCR

Mobile/Mounted

Back Office/Inspections

Find Out More

Find Out More

Find Out More
EPCR Solutions

Dell Latitude 7220
Rugged Extreme Tablet

Dell Rugged always gives you reliability, with flexible mobility options that support long shifts, high-pressure environments and optimal uptime.

Rock-solid reliability, security and manageability.

Take mobility to the extreme

Rugged tablet & notebook carrying accessories

Active Stylus

Dell Latitude 7220 Rugged Tablet Spec Sheet

Vehicle/Remote Docking

Keyboard Cover & Kick stand

Fire & EMS Services

Why Dell and Intel® for Rugged PCs?

Find Out More

Rugged For the Real World

Find Out More
Mobile/Mounted Solutions

Dell Latitude 7330 Rugged Extreme Notebook

When you need Rugged capability in any circumstance, Dell Rugged delivers reliability and full-scale mobility solutions to fit every scenario you encounter whilst keeping your data safe with security options like integrated SmartCard readers.

Nerves of steel.

A true workhorse.

All Day Power

Shoulder strap

Docking Solutions

Battery Charger

Rugged For the Real World

Why Dell and Intel® for Rugged PCs?

Fire & EMS Services
Dell Rugged ensures optimal fleet support and security, so you and your team have a reliable solution during the most challenging moments.

- Battery Charger
- Active Stylus
- Desk Docking
- Shoulder strap
- All Day Power

Works as hard as you do

Dell Rugged ensures optimal fleet support and security, so you and your team have a reliable solution during the most challenging moments.

- Battery Charger
- Active Stylus
- Desk Docking
- Shoulder strap
- All Day Power
Whether your business is to keep people or merchandise moving, you need to do it with efficiency and reliability to avoid customer dissatisfaction and potentially decreased profits. Maintaining the equipment you use daily is vitally important to ensure those goods and people are moved to and from safely. Your “office” environment could pose hazards and conditions requiring the most reliable, secure and manageable rugged product on the market, to keep your competitive edge by delivering those people and goods on time as expected.
Transportation & Logistics

Challenges:

1. Dockable solutions needed for forklift/order picking with local wireless connectivity and bar code scanning capability.
2. Vehicle dockable solutions providing daylight readable, glove touch screens with mobile broadband wireless connectivity and GPS capability.
3. Systems that can withstand high temperatures with legacy I/O ports for serial connectivity and glove capable touch screens.

Overcome these challenges with Dell's solutions below:

Transportation/Logistics

Vehicle Maintenance Services

Find Out More

Find Out More
Dell Rugged can help whether you are moving people or product. On-time arrivals/deliveries ensure success and profitability for you and your business.

Transportation/Logistics Solutions

Dell Latitude 7220
Rugged Extreme Tablet

Rugged tablet & notebook carrying accessories

Rugged Tablet Docking

Dell Latitude 7220 Rugged Extreme Tablet Spec Sheet

Take mobility to the extreme

Keyboard Cover & Kick stand

Vehicle/Remote Docking

Steadfast connection

Scanning module

Active Stylus

Charge Solutions

Rugged For the Real World

Why Dell and Intel® for Rugged PCs?

Transport & Logistics
Vehicle Maintenance Solution

Dell Latitude 5430 Rugged and 7330 Rugged Extreme Notebooks

Checking diagnostics in the shop, or changing a hydraulic pump in the snow, our Rugged solutions will help you keep your fleet moving in the right direction.

Made to work where you do.

Power to get the job done.

Dell Latitude 7330 Rugged Extreme Notebook Spec Sheet

Dell Latitude 5430 Rugged Laptop Spec Sheet

All Day Power

Docking Solutions

Shoulder strap

Battery Charger

Why Dell and Intel® for Rugged PCs?

Docking Solutions

Shoulder strap
If your day might consist of repairing an air conditioning unit on a rooftop in the sweltering heat, or pulling a tractor trailer out of a ditch on an icy road, customer satisfaction is your main goal. Efficiency in access to dispatch information, along with job orders and tasks, will improve your overall customers satisfaction along with improving company image and profits. You, along with your “office”, are on the move all day, potentially into the night and certainly at times into very harsh environments. Dell Rugged has the features and reliability you can rely on to get you there, help you stay on task, and get the job done.
Field Services

Challenges:

1. Dockable solutions needed for product, service and repair delivery. Need to be easily removable and securable in vehicle.

2. Solutions that provide daylight readable, glove touch screens with mobile broadband wireless connectivity and GPS capability.

3. Systems that can withstand extreme high/low temperatures with legacy I/O ports for serial connectivity and glove capable touch screens.

Overcome these challenges with Dell’s solutions below:

Product/Service Delivery

[Find Out More]

Technician/Emergency Services

[Find Out More]
Dell Latitude 7220
Rugged Extreme Tablet

Dell Rugged can help when delivering a product or service is your main objective. On-time arrivals/deliveries ensure success and profitability for you and your business.

Take mobility to the extreme

Rugged tablet & notebook carrying accessories

Keyboard Cover & Kick stand

Rugged Tablet Docking

Vehicle/Remote Docking

Scanner module

Active Stylus

Dell Latitude 7220 Rugged Extreme Tablet Spec Sheet
When things stop working you get called to action. Dell Rugged will endure the elements with you to ensure repair and restoration is completed safely and efficiently.

Dell Latitude 5430 Rugged and 7330 Rugged Extreme Notebooks

Made to work where you do.

All Day Power

Shoulder strap

Docking Solutions

Battery Charger

Power to get the job done.

More ->