





The BARTEC PIXAVI Impact X is the toughest smartphone you will ever meet. This intrinsically safe smartphone has all the functionality you will expect from a regular smartphone. The CSA, IECEx and ATEX certification has not compromised the quality and usability. The device is explosion proof and rated for use in hazardous areas. The Impact X is the next generation wireless video communication technology from BARTEC PIXAVI.

The Impact X intrinsically safe smartphone is a very powerful product, both on the inside and on the outside. It has the latest processors and software. Rugged, waterproof, lightweight aluminum chassis, as well as CSA, IECEx and ATEX certification makes it the most versatile smartphone ever built.

| APPLICATIONS | FEATURES | BENEFITS | SPECIFICATIONS |
|---------------|--------------------|--------------------------|--------------------------|
| Oil and Gas | HD video streaming | Make better decisions | Double battery capacity |
| Petrochemical | High end imaging | Increase flexibility | CSA, ATEX and IECEx |
| Mining | Light and flexible | Decrease travel expenses | Rugged, IP 68 |
| Manufacturing | Glove compatible | Improve work routines | Operation system Android |

NO COMPROMISES

Ruggedized and Ex certified products have been synonymous with low performance, outdated technology and bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their Ex certified devices as consumer devices. We also added some features that no other smartphone has.

VIDEO AND IMAGING CENTRIC

We designed the Impact X smartphone with hazardous industrial environments in mind, where battery lifetime, ruggedness, usability, sunlight readability, glove compatibility and camera performance is essential. The high end optics, custom buttons, high end imaging sensors and Android operating system ensures that the device can be used for imaging, documentation, inspection and many other tasks.

ERGONOMIC FEATURES

FlipScope™: One-hand videography, anti smudge recess for camera glass, anti smudge coating on glass, dedicated camera button, glove compatible touch screen, moisture immune touch screen, ergonomic grip and hand strap makes it useable and ergonomic.

FLIPSCAPE™ EXPLAINED

Did you ever wonder why many mobile videos are shown in a narrow strip in the middle of the video window on YouTube? The reason is that people want to hold their phone with one hand when recording videos. The orientation of the camera on a standard phone follows the screen ratio and you will therefore not get an optimal ergonomic experience. BARTEC PIXAVI have solved this problem by adding a second camera on the back of the device that is rotated 90 degrees compared to the standard camera.

« Ahead of its times. The most versatile intrinsically safe smartphone of the world. »

SHIPS WITH TELEPRESENCE APP

The Impact X ships with the SIPIDO telepresence app that allows the user to stream live HD video to any location. This allows you to extend your video conferencing service to the field. Remote troubleshooting, inspection and surveillance has never been easier. This app is also available on other devices.

ANDROID

Android is the preferred operating system for mobile devices. The reason is simple, running Android, the Impact X is secure, stable, updated and you have access to a huge library of applications. Bring any app into hazardous areas, including a wide range of value adding applications and services, such as mobility and ERP solutions, device management, video conferencing applications and every other Android app.

ENTERPRISE ADAPTED APPS

Today's workers expects the same snappy performance in their enterprise apps as they do at home when playing Angry Birds. The Impact X can help organizations realize their mobility strategies by offering the horsepower to run any App developed for Android. For example ERP, RFID and Barcode Reading, video conferencing and device management to mention a few. This means new usage scenarios and applications in many industries. The custom-built video conferencing application called SIPIDO, allows the user to conduct live video conferencing sessions and stream video from the field. Work smarter and solve problems remotely, without having to send experts and technicians to the site. This saves travel costs and time. This device as an enabler for many smart innovations within hazardous areas. It gives the user an unprecedented versatile and powerful platform.

IMMUNE TO THE ELEMENTS

The Impact X is ruggedized to an extent that makes it able to take almost any challenge the environment might throw at it. It is impact, drop, dust, corrosion, water and explosion proof. It also has the ability to withstand extreme temperatures. It has a special glass sealing method with IP 68 Corning Gorilla glass (2 mm thick) and a sunlight readable IPS display.

DOUBLE BATTERY CAPACITY

The Impact X is stuffed with advanced technology in order to offer the best possible performance. Modern mobile processors ensures the lowest possible power consumption. The device also has double the battery capacity (3000 mAh) compared to other smartphones, to ensure a full workday with active use.

MACHINED FROM ALUMINUM

The Impact X chassis is machined from one piece of high quality Norwegian aluminum in order to provide the ruggedness, durability and high quality feel the product deserves. It is fitted with rubber details and raised buttons made out of a durable but yet comfortable material. This is arguably the toughest smartphone ever built!

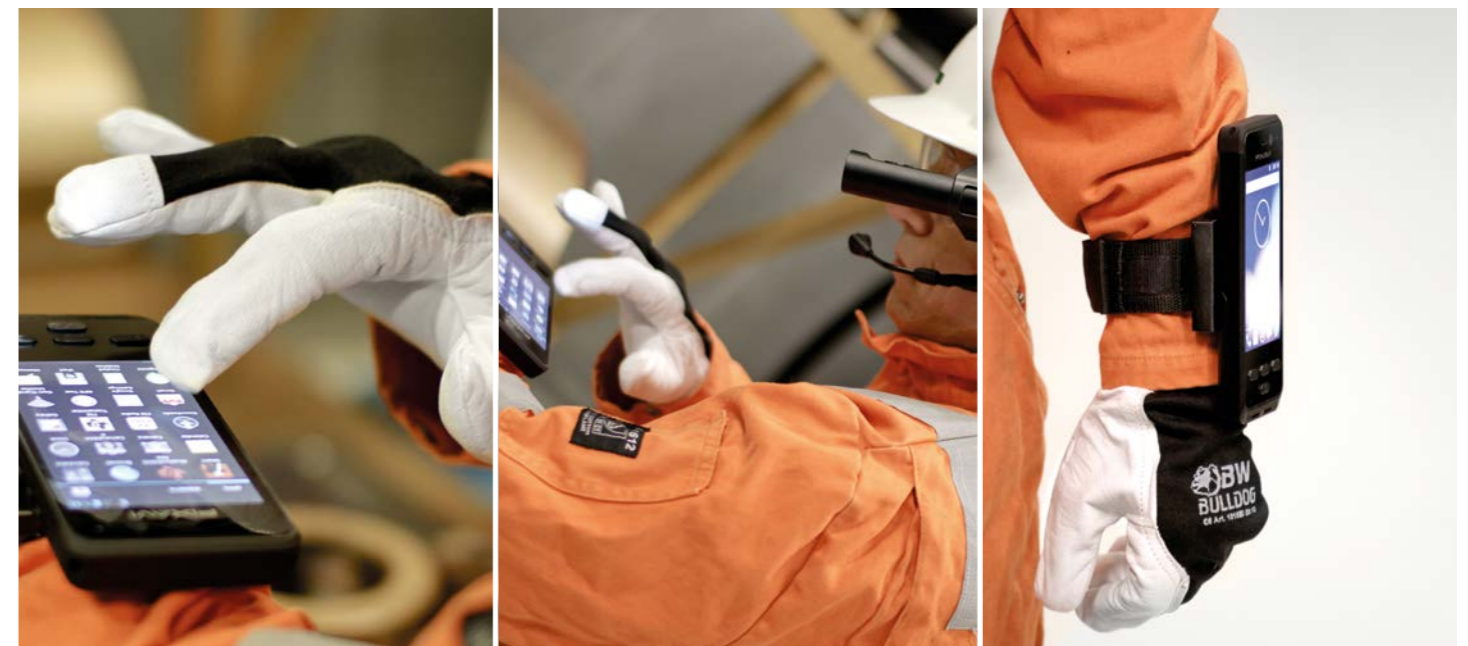
WEARABLE KIT

Hands-free operation is often required when working in the hazardous area. This is why we have developed a wearability kit that enables Impact X to be mounted on a wrist cradle and the Orbit X to be mounted on a helmet, headset, wall mount, or telescopic pole. The result is a completely wireless and hands free mobile worker kit.

« The Impact X has received the Award for Design Excellence. »



AWARD FOR DESIGN EXCELLENCE
NORWEGIAN DESIGN COUNCIL



Certifications

| | |
|-------------------|-------------------------------|
| Marking | |
| ATEX | Ⓔ II 2G Ex ib op is IIC T4 Gb |
| IECEX | Ex ib op is IIC T4 Gb |
| CSA | Class I, Ex ib IIC T4 Gb |
| CSA US | Class I, AEx ib IIC T4 Gb |
| Wireless | CE and FCC |
| HS Code | 8517.12.00 |
| Country of Origin | «Made in Norway» |

Temperature range

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|-----------------------|------------------|
| Operating temperature | -20 °C to +45 °C |
| Storage temperature | -40 °C to +60 °C |

Video & Imaging

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|------------------|--------------------------------|
| Video quality | Full HD video (1080 p, 30 fps) |
| Imaging | 8 megapixel still images |
| Image capture | Dedicated camera button |
| Video codecs | H.264/AVC |
| Zoom | 4 x |
| Storage capacity | 32 GB |

Ruggedness

| | |
|-------------|----------------------------------|
| Impact | 2 joule impact proof |
| Drop | 2 meter drop proof |
| Submersible | IP 68 waterproof |
| Housing | Made from one piece of aluminium |
| Connections | Covered USB port |
| Screen | 2 mm Gorilla glass |

Audio

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|------------------|-------------------------------------|
| Microphone | Digital omni directional microphone |
| Audio | Full duplex audio communication |
| Video recording | Stereo microphones on back |
| Headset | Handsfree support |
| Wireless Headset | Bluetooth audio headset support |
| Handsfree | Integrated mic and speaker |
| Audio codec | CD quality AAC LD |
| Sound quality | Echo cancellation |
| Audio out | 3.5 mm standard connection |

Sensors

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|--------------|---------------------------------|
| Orientation | 3 axis gyroscope |
| Positioning | Global Positioning System (GPS) |
| Acceleration | Accelerometer |
| Navigation | Compass |
| Temperature | Sensor |
| Pressure | Sensor |

Power input

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|-----------------|-------------------------|
| Battery | 3000 mAh |
| Standby | 100 h |
| Talk time | 8 h |
| Video streaming | 4 h full operating time |

Scope of Delivery

| | |
|------------------|--|
| Charger | USB |
| Warranty | 1 year hardware warranty |
| User Manual | Quick guide |
| USB cable | USB cable for charging and data transfer |
| Software updates | Available through Collaboration Suite |
| Product box | with custom shaped foam inlays |

Size and Weight

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|--------|------------------------|
| Size | 150 mm x 65 mm x 12 mm |
| Weight | 290 g (10 oz) |

Display and touchscreen

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|-------------|-----------------------------------|
| Screen size | 4.3" Retina display |
| Resolution | 480 x 800 pixels |
| Brightness | Direct sunlight readable display |
| Touchscreen | Glove compatible capacitive touch |
| Glass | Gorilla Glass (IP 68) |
| Buttons | On/Off, Volume, Camera, Android |

Applications

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|------------------------|---|
| HD Video Collaboration | SIPIDO |
| Management Solution | Collaboration Suite |
| Browser | Full blown HTML5 |
| Document Viewing | PDF and Office documents |
| ERP | Compatible with ERP systems |
| Apps | Google Play, Dropbox™, Picasa™, Flickr™ |

Ergonomics

| | |
|----------------|--|
| Image capture | Flipscape™: One hand videography |
| Dirt proof | Anti smudge recess for camera glass and screen |
| Touchscreen | Glove compatible, moisture resistive |
| Form factor | Fits in hand and pocket |
| Dropped object | Hand strap for ergonomic grip |

Networking

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|--------------------|--|
| Wi-Fi | 802.11 a/b/g/n (2.4 GHz & 5 GHz) |
| Cellular | 3G/HSPA+ (CDMA available) |
| Bluetooth | Bluetooth 4.0 |
| Video Conferencing | Skype, SIP, H.323 |
| Streaming | ISMA, RTSP, HTML5, WebRTC |
| Network | Firewall traversal technology STUN server support |
| Bandwidth | Dynamic Bandwidth Control |
| QoS | Diffserv, IP presedence (QoS) |

Operation system

| | |
|---------|----------------|
| Android | 5.1.1 Lollipop |
|---------|----------------|