

Impact X<sup>®</sup> INTRINSICALLY SAFE SMARTPHONE



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 Class 1, Division 1, IECEx and ATEX Zone 1 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 Class 1, Div. 1, IECEx and ATEX Zone 1 certification makes it the most versatile smartphone ever built.

Applications	Features	Benefits	Specifications
Oil and Gas Petrochemical Mining Manufacturing	HD video streaming High end imaging Light and flexible Glove compatible	Make better decisions Increase flexibility Decrease travel expenses Improve work routines	Double battery capacity CSA, ATEX and IECEx Rugged, IP 68 Android 4.2.2 Jelly Bean

**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Ruggedized and Ex certified products have been synonymous with low performance, outdated technology and bulky form factors.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**

Flipscape™: 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. We 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 4.2.2 (Jelly Bean)**

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 (2800 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!

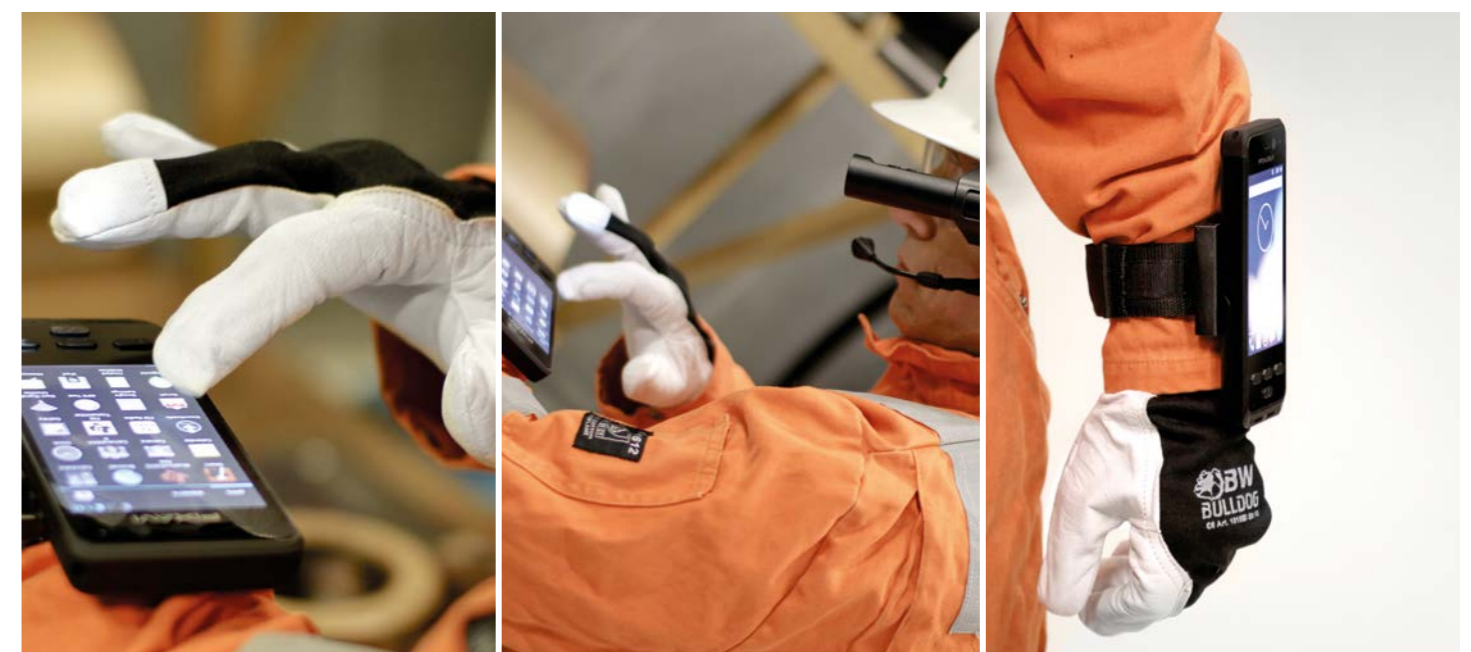
**Wearable kit**

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

Explosion protection	Ex protection type	Certification
ATEX	Ex II 2G Ex ib op is IIC T4 Gb	Sira 13 ATEX 5134 X
IECEX	Ex ib op is IIC T4 Gb	IECEX SIR 13.004 X
CSA	Class I, Ex ib IIC T4 Gb	
CSA US	Class I, AEx ib IIC T4 Gb	
Wireless	CE and FCC compliant	
HS Code	8517.12.00 (Norway)	
Country of Origin	Made in Norway	

## Temperature range

Ambient temperature	-20 °C to +45 °C
Storage temperature	-40 °C to +60 °C

## Video & Imaging

Video Quality	Full HD video (1080 p, 30 fps)
Storage Capacity	32 GB
Imaging	8 megapixel still images
Image Capture	Dedicated camera button
Video Codecs	H.264/AVC codec

## 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

Microphone	Digital omni directional microphone
Audio Codec	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 LC/LD)
Sound Quality	Echo cancellation
Audio Out	3.5 mm standard connection

## Sensors

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

## Power

Battery	3 Ah battery
Standby	400 h standby
Talk Time	8 h talk time
Video Streaming	4 h full operating time

## Included

Charger	USB Charger
Warranty	1 year hardware warranty
User Manual	Manual, Quick guide
USB Cable	USB cable for charging and data transfer
Software updates	Available through HostedMobiles.com
Product box	Product box with custom shaped foam inlays

## Size and Weight

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

## Display and touch

Screen Size	4.3 inch display
Touch Screen	Glove compatible capacitive touch
Resolution	480 x 800 pixels
Brightness	Direct sunlight readable display
Buttons	Volume, ON/OFF, Camera, Android

## Applications

HD Video Collaboration	SIPIDO
Management Solution	Hostedmobiles.com
Browser	Full blown HTML5
Document Viewing	PDF and Office documents
ERP	Compatible with ERP systems
Third Party Apps	Google Play, Dropbox™, Picasa™, Flickr™

## Ergonomics

Image Capture	Flipscape™: One hand videography
Dirt Proof	Anti smuge recess for camera glass
Glove Proof	Anti smuge coating on screen
Quick Imaging	Dedicated camera button
Glove Compatible	Glove compatible touch screen
Any Condition	Moisture resistive touch screen
Dropped Object	Hand strap for grip with gloves

## Networking

Wi-Fi	802.11abgn (2.4 + 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
Network	STUN server support
Bandwidth	Dynamic Bandwidth Control
QoS	Diffserv, IP presedence (QoS)