BlueDiamond

Empower your phone to open new doors

11:12 AM 68%

BD...ypad   Len...oor

◆ BDM - Mullion Reader

◆ Factory Floor Entrance

◆ Main Entrance

Unlock

BDM - Keypad
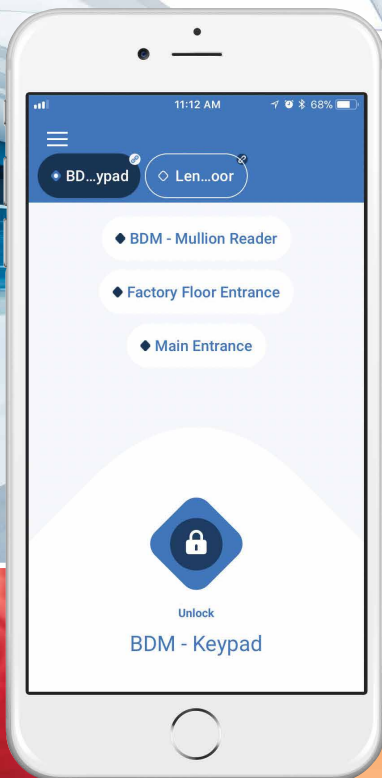
Introducing Lenel® BlueDiamond™

LENEL·S2
United Technologies
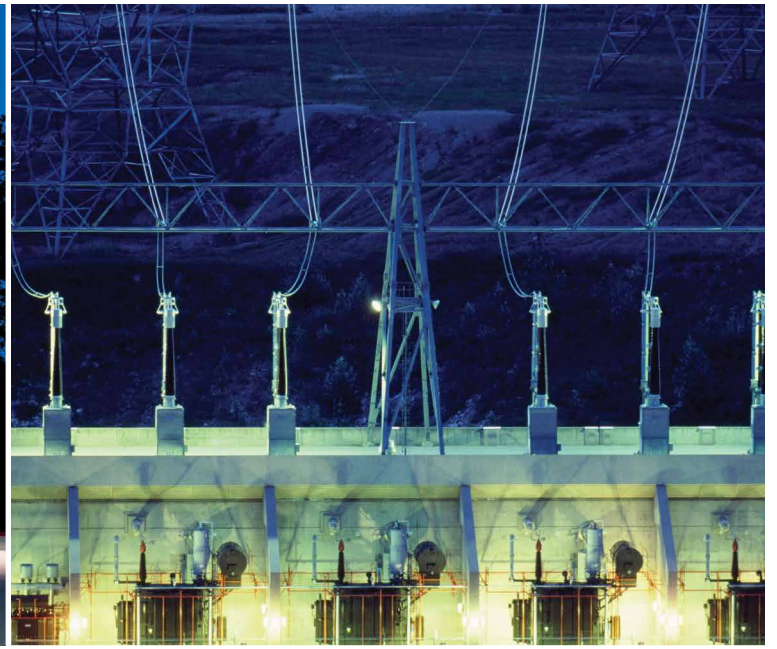
Unmatched experience in mobile credentialing

BlueDiamond™ leverages United Technologies Corporation's 17 years of experience developing mobile credentialing technology. With over 1,000,000 locking devices deployed across multiple industries—including Energy, Financial, Hospitality and Real Estate—United Technologies is well versed in cloud-based key credentialing and has been a Bluetooth® technology leader since 2010.
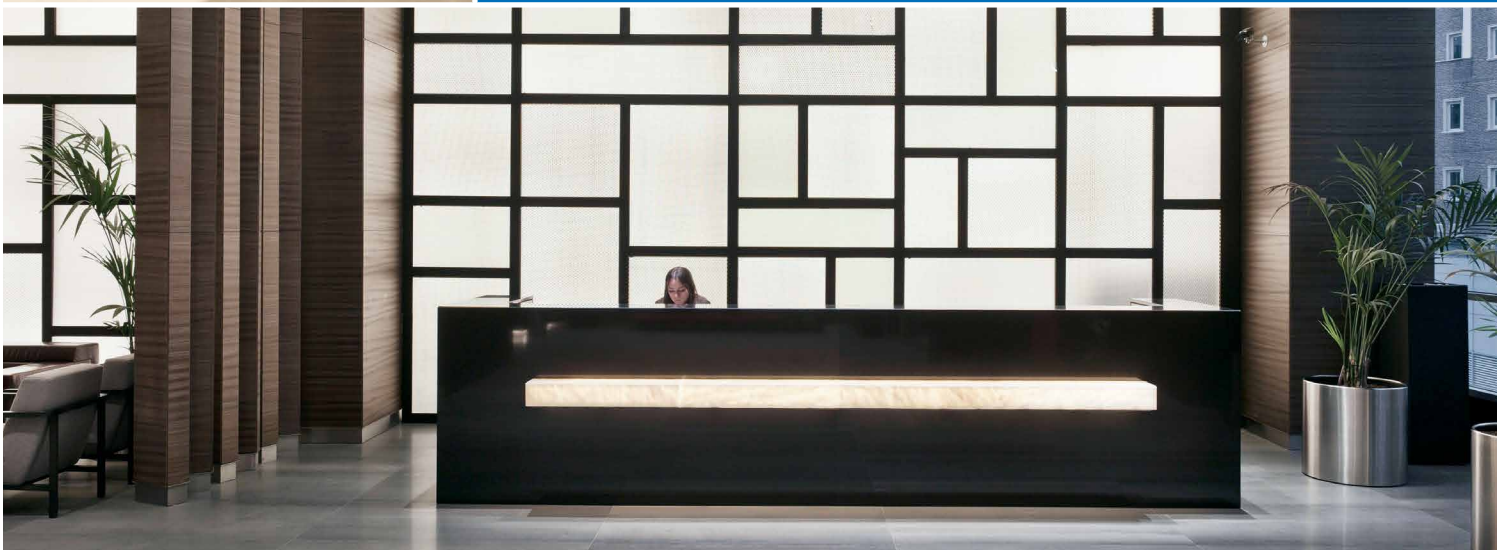
Mobilize your access control

As smartphones become central to everyday life, Lenel is leveraging Bluetooth® technology to provide the future of access control. BlueDiamond™ mobile credentialing delivers a smart alternative to plastic badges, offering greater convenience while enhancing security.

Benefits across the board

Unlike many other solutions, BlueDiamond mobile credentialing can be allocated to new phones as needed, and for as long as they are required. Smartphones can require a security code or biometric access to the application thereby providing multi-factor authentication.
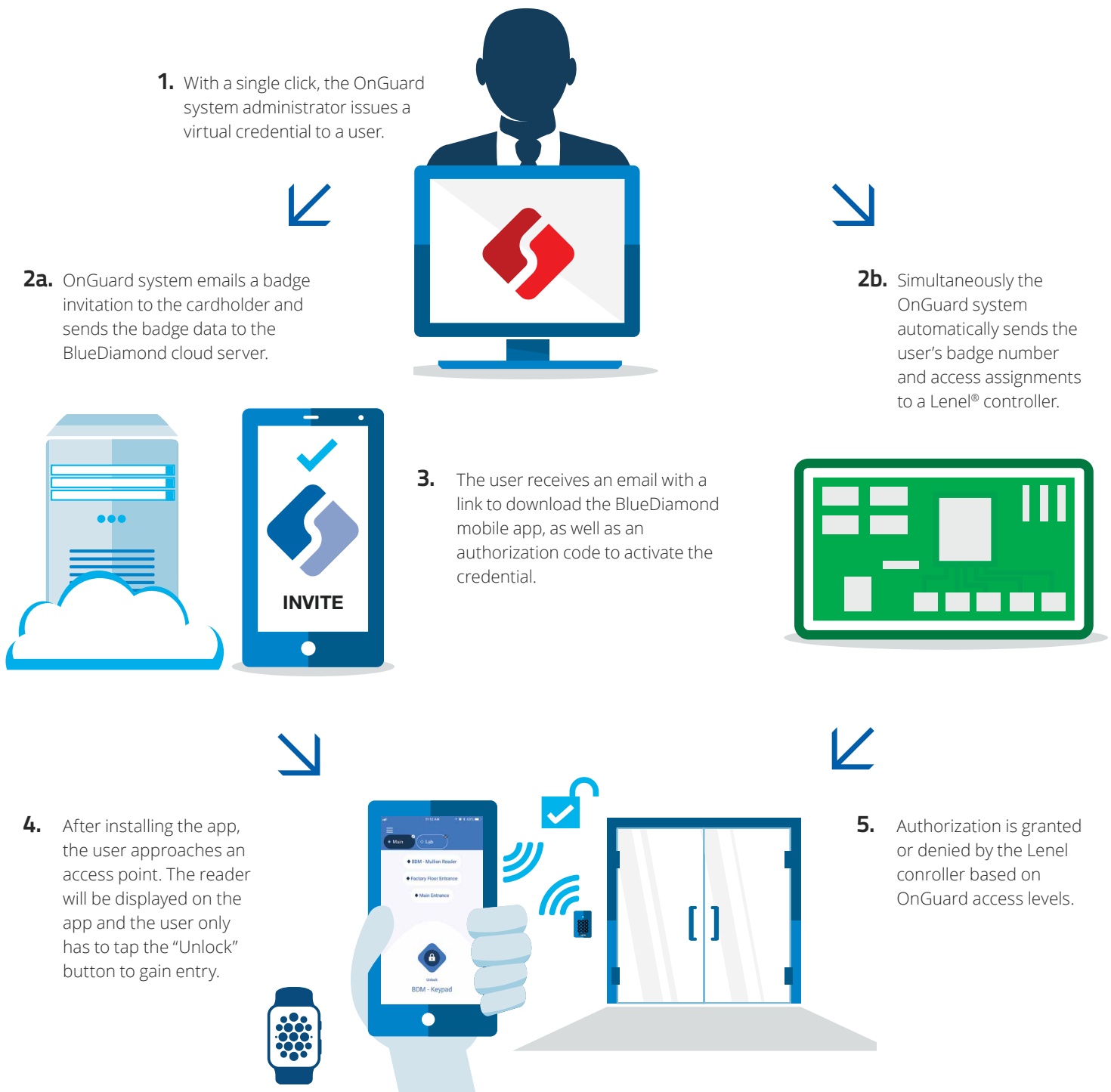
For increased protection, BlueDiamond mobile credentials are automatically deactivated if not periodically refreshed by the cloud server. This enhanced security ensures deactivated credentials are removed from deauthorized devices.
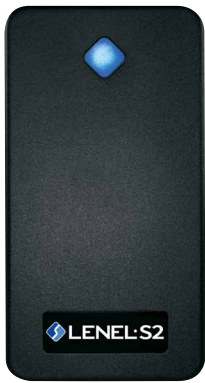
BlueDiamond readers support mobile and wearable devices—including iOS® devices, Apple Watch® and Android™—along with a wide range of traditional proximity and smart cards. For administrators, this means flexible credential management. Mobile badges can be issued immediately while physical badges, if needed, can be supplied at a later time when they are available. BlueDiamond technology is ideally suited for today's fast changing enterprise environments.
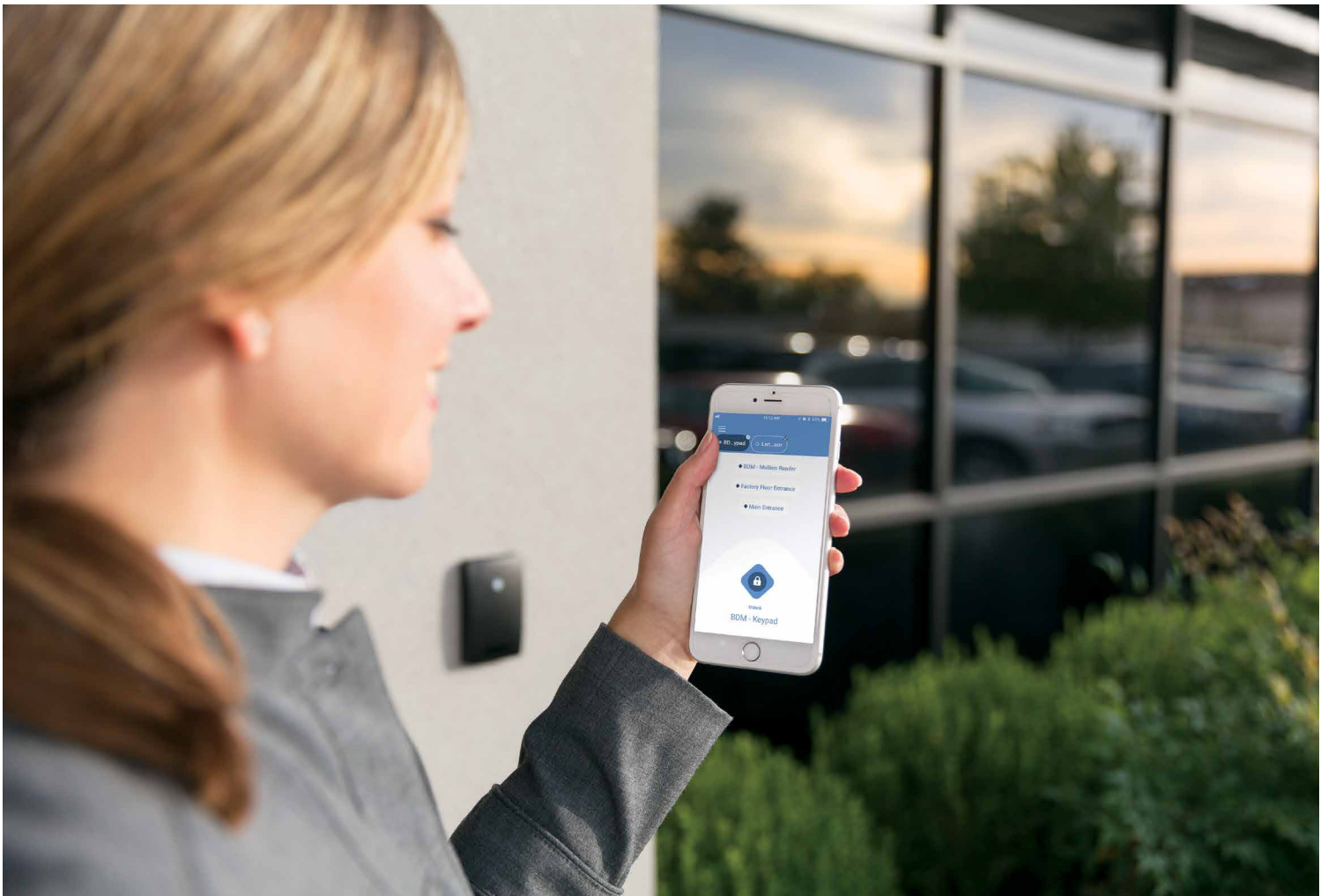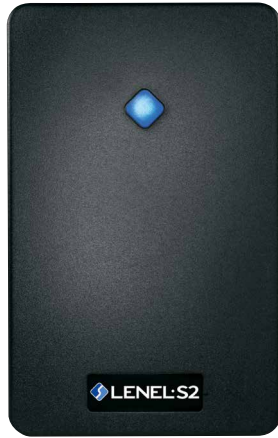
A comprehensive system for mobile credentials

The complete BlueDiamond™ mobile ecosystem includes the BlueDiamond smartphone app, BlueDiamond readers and BlueDiamond mobile credentials, all tied together by a cloud server. These components natively integrate with the Lenel OnGuard® security management system, allowing one-click issuance and management of mobile credentials.

1. With a single click, the OnGuard system administrator issues a virtual credential to a user.

2a. OnGuard system emails a badge invitation to the cardholder and sends the badge data to the BlueDiamond cloud server.

2b. Simultaneously the OnGuard system automatically sends the user's badge number and access assignments to a Lenel® controller.

3. The user receives an email with a link to download the BlueDiamond mobile app, as well as an authorization code to activate the credential.

INVITE

4. After installing the app, the user approaches an access point. The reader will be displayed on the app and the user only has to tap the "Unlock" button to gain entry.

5. Authorization is granted or denied by the Lenel conroller based on OnGuard access levels.

*Mini-Mullion
Form Factor*

*Single Gang
Form Factor*

*Single Gang with
Backlit Keypad*

*Bluetooth
add-on for
existing readers*

Readers that support your needs today and tomorrow

BlueDiamond™ readers work with both existing badges and mobile devices to allow easy migration to mobile credentialing. BlueDiamond readers support a wide range of options from 125kHz and 13.56MHz to mobile credentials. All BlueDiamond readers feature a sleek, compact design as well as durable, proven electronics.

The BlueDiamond add-on mobile reader can be hidden in a wall or ceiling or installed next to an existing reader. This add-on reader provides Bluetooth capability to most existing installations, allowing you to protect your investment in current readers and badges.

Technologies supported include:

- *Smart Card (13.56 MHz) – Mifare® DESFire®, Mifare, ISO 14443 and ISO 15693 Card Serial Number*
- *Proximity (125 kHz) – HID® Proximity, CE/CASI Proxlite® and AWID® Proximity*
- *Reader Output – OSDP™, OSDP Secure Channel and Weigand*

  High Frequency
- *DESFire EV1 Application*
- *Mifare Classic Sector*
- *ISO 14443A Serial Number*
- *ISO 15693 Serial Number*

  Low Frequency
- *HID Proximity*
- *AWID Prox*
- *Lenel Prox*
- *Proxlite*

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