Migration to New Technology

At some point, many facilities with physical access control systems are faced with making a decision to upgrade their existing card and reader system. Adding new applications, implementing a single card solution, increasing system security and re-badging aging card populations represent just some of the factors influencing migration decisions.

Customers have a variety of flexible migration solutions. From combining multiple technologies on a single card to readers that accept diverse card populations in a single footprint, Identiphoto is a one-stop shop for navigating card and reader upgrades.

Understanding Migration Solutions
When upgrading an access control system while migrating to a new technology, there are many issues to consider. A common issue is, “What is involved with upgrading to newer technologies?” Until recently, a site upgrade required the complete replacement of readers, with the replacement of cards over the course of a few days. This tended to cause considerable inconvenience and cost. With the introduction of multi-technology cards and readers, the migration process has become simple and virtually transparent to system users.

While early generation access control is appropriate for some, many facility managers are looking ahead to the convergence of IT and physical access control. Under this scenario, technological improvements enabled by smart cards play an important role in facilitating multiple applications residing on a single card.

As your advisor, Identiphoto Co. can recommend the best migration solution for your facility based on your unique situation.

Multi-technology Migration Solutions

Credential Migration
Innovations in the development and manufacture of credentials have created a new breed of card called “multi-technology.” This allows the mixing and matching of multiple technologies in a single credential. Examples of multi-technology credentials include:

- Prox / Magnetic stripe
- Prox / MIFARE
- Wiegand / iCLASS®
- Prox / iCLASS with Magnetic stripe or contact chip

Why choose Credential Migration?

- **Multiple Facilities**
  In many instances, organizations with multiple facilities will upgrade their system as budgets permit,
causing an incompatibility between systems in different facilities. The use of multiple technology cards can bridge current and new technologies onto one card, enabling a single card to be used in multiple locations.

- **Migration Cycle**
  If migration has not been budgeted, many times companies will re-badge employees to multiple technology cards during the normal replacement process.

- **Small card-to-reader ratio**
  The economics of card-versus-reader migration often becomes a factor of the amount of employees and the overall reader population.

### Reader Migration

Another innovative idea that has become popular in recent years combines technologies within the reader. These multi-technology readers offer “the best of both worlds”, all within a single housing, enabling an organization to incorporate the use of multiple card technologies within a single building or across multiple facilities. Multi-technology readers offer facilities the ability to change readers upfront and gradually issue new technology cards over a period of time. Examples of multi-technology readers include:

- Magnetic stripe / Prox
- Prox / iCLASS
- iCLASS / Contact

### Why choose Reader Migration?

- **Multiple Facilities**
  In many instances, organizations with multiple facilities upgrade their system as budgets permit, causing an incompatibility between systems. The use of multiple technology readers can bridge current and new technologies within one reader, enabling a single reader to accommodate the entire badged population across multiple locations throughout the organization.

- **Migration Cycle**
  Often times, companies may choose to upgrade all their existing systems to a new technology, resulting in multiple card technologies within the existing cardholder population. With multi-technology readers, companies can seamlessly migrate to newer technology without having to re-badge the entire cardholder population immediately.

- **Large card-to-reader ratio**
  Often, the economics of card-versus-reader migration becomes a factor of the amount of employees and the overall reader population.

### Credential and Reader Migration

- To help with migration, some companies select both solutions, cards and readers, as the most versatile migration path.

### Why choose Credential and Reader Migration?

- **Multiple facilities/multiple technologies**
  The difficulty in merging multiple nationwide/worldwide facilities occurs when too many different technologies are in use across the organization, adding to the complexity of migrating toward one common technology. This makes it operationally impractical to re-badge employees or re-install readers. Adding multi-technology readers to sites while re-badging employees with multi-technology cards can help resolve this situation.