Governments around the world are implementing passport solutions that help better protect their borders while facilitating convenience and respecting the privacy of travelers. Advanced, multi-technology solutions are increasingly the norm to achieve an all important balance between security, functionality, and return on investment.

HID Global, a leader in designing and delivering secure e-Identification and e-passport solutions, brings its expertise to polycarbonate Datapages, offering one of the most robust, sophisticated, and innovative in the industry. HID Global provided the first clear electronic inlay for the UK’s passport in 2006. Since this first project, HID Global has provided polycarbonate Datapages and datapage inlays for e-passport programs worldwide, culminating in the most recent award of the Irish e-passport Datapage.

Customization is Key
The most advanced Datapage solutions address the unique risk/threat profiles and requirements of each individual nation. HID Global’s government ID solutions customizes each Datapage to meet those needs. Beyond specific security features, the company's world-class design team works closely with governments to generate a Datapage that reflects the local culture while maintaining the integrity of the design. The passport booklet can be a source of great pride for citizens. In addition, HID Global Datapages are easily customized with unique antenna designs and can be provided in any format for easy integration with e-passports via standard machines and processes. HID Global Datapages meet and exceed ISO and ICAO standards.

HID Global Leading with Innovation
Polycarbonate with Security Features: More governments are adopting polycarbonate Datapages and with more than 25 years of experience manufacturing secure ID cards and inlays, HID Global delivers. The company brings together state-of-the-art technologies to meet the need for flexibility, durability and security. Our Datapage works with standard passport lines, thus minimizing investment in new equipment, and is compatible with both industry-standard and cutting edge security features.

Crack Prevention Feature: A major challenge facing the new generation of e-Documents using polycarbonate material - smart cards, passport cards and e-passports - is delivering on the promise of longevity and durability. HID Global's Datapage solutions are the most durable on the market because they incorporate the company's proven Crack Prevention Feature (CPF) technology (+15 million cards in a major National ID Card program employ HID Global's CPF technology). This feature protects the structural integrity of e-passport Datapages by acting as an 'airbag' to prevent the
In September 2012 the contract for the Irish Passport was awarded to DLRS Ltd with HID Global. HID Global designed and supplies the polycarbonate Datapage for the Irish passport booklet. The Datapage incorporates Genuine HID hinge technology and crack prevention feature.

Hinge Technology: Hinge technology is essential to meet today’s minimum 10-year life span guarantee. HID Global has developed a durable and counterfeit-resistant hinge technology that is fully compatible with existing e-passport booklet equipment. The hinge is flexible yet, provides proven durability. The hinge is fully integrated into the Datapage structure, having the same melting temperature as polycarbonate materials so as to prevent separation and provide the foundation for the crack prevention feature.

Direct Bonding: Datapages can be built with HID Global’s innovative direct bonded inlays to help overcome constraints in quality, security and durability of traditional Datapages. HID Global’s high-frequency direct bonding enables reliable ultra thin inlays, (200μm thickness) based on proven technology. The narrow dimensions of the inlays make room for more layers of security features on both sides of the Datapage while maintaining ISO thickness. In addition, the use of direct bonding enhances durability by minimizing the risk of point impact damage and reducing the effects of torsional and bending stresses.

A Powerful Combination
Together these innovations have positioned HID Global as the leader in the Datapage market. HID Global is the only company to bring all of these innovations together to create a complete Datapage solution in-house. One notable example of these technologies working together is the Irish e-Passport program (see sidebar).

Standard Security Features used for HID Global Datapages
- Tactile Embossing (normal)
- MLI / CLI
- RFID integrated inside the Datapage
- Guilloche Pattern
- Micro-text
- Deliberate Errors
- Rainbow Printing color
- Rainbow Printing UV
- UV Printing
- Infrared Inks
- Optical Variable Ink
- Embedded DOVID

Other security features available under request

Genuine HID
With Genuine HID, customers benefit from the broadest product line of trusted, fully interoperable secure identity solutions in the market. Genuine HID solutions are designed and built in ISO 9001 certified facilities; include worldwide agency certifications; and are backed by global product warranties. Supported by industry-leading expertise and the strongest delivery and response platform available, Genuine HID solutions reinforce the long-standing trust that when customers purchase from HID Global, they are investing with absolute confidence.

THE IRISH E-PASSPORT
- In September 2012 the contract for the Irish Passport was awarded to DLRS Ltd with HID Global.
- HID Global designed and supplies the polycarbonate Datapage for the Irish passport booklet.
- The Datapage incorporates Genuine HID hinge technology and crack prevention feature.
- HID Global also managed the changes to the personalization software in the Department of Foreign Affairs.