BALLY ENTERPRISE PROGRESSIVE SYSTEM™

MEET THE NEXT GENERATION OF
PROGRESSIVE MANAGEMENT SYSTEMS:

BEPS

Today's progressives are a jumbled mix of different controllers, stand-alone systems, and legacy displays. Couple that disparate mixture with time-consuming manual reporting and monitoring, and you have one big mess of equipment that yields sub-par profits. To solve this troublesome problem, Bally Technologies created the next generation of progressive management systems: the **Bally Enterprise Progressive System (BEPS)**.

This powerful enterprise solution, designed with a distributed architecture, seamlessly handles all your progressive components, no matter if you're the world's largest casino with multiple properties or one of the smallest. By leveraging your casino's existing progressive infrastructure and tailoring the components for your specific needs, BEPS offers you one system for all your progressive needs, so you see increased profit potential, decreased labor costs, and happier, more loyal players.

Accomplish More

With BEPS, you accomplish more with less. Offering symbol-driven progressives and system-based mystery progressives, BEPS gives you total command over your award structure. It even allows you to reward your players with traditional progressive jackpots or custom prizes like a new car. You have full control to set up, monitor, and reconcile all your creative awards with BEPS.

Symbol-Driven Progressives

A symbol-driven progressive is where the Electronic Gaming Machine (EGM) determines if the progressive jackpot is hit as an outcome of the game play. As guests play the game, each wager is sent to the progressive system as a meter value, and the system calculates the amount that should be contributed to the progressive prize as a percent of the wager.

Setting	Description
Reset Amount	The amount the progressive prize is reset to after a hit.
Primary Rate	The percent of each wager added to the progressive prize.
Hidden Rate	The percent of each wager added to the hidden reserve.
Maximum Jackpot	The maximum jackpot value.
Break Threshold	The jackpot amount at which a lower break rate is applied to each wager.
Break Rate	The percent of each wager added to the progressive prize above the break threshold.

BEPS features various settings that allow you to configure symbol-driven progressives, such as reset amounts, rates, jackpot amounts, and breaks.

System-Based Mystery Progressives

A system-based mystery progressive is where the system determines the progressive winner based on each individual game wager by a player. Similar

to the symbol-driven progressive, the wager is sent to the progressive system as a meter value, and the system calculates the contribution amount. The system uses this contribution amount to increment the progressive prize value and determine if the jackpot should be awarded based on a secretly selected trigger amount. If the contribution triggered the mystery award, the award is sent immediately to the EGM where the game was played.

The award must be sent quickly to the winning EGM to prevent players from walking away before their award appears. If the award is not delivered immediately after the game cycle completes, players won't easily recognize the award is a result of their game play. For these reasons, we've designed BEPS to process and return awards to the EGM in less than a second from the start of game play.

Setting	Description
Reset Amount	The amount the progressive prize or trigger is reset to after a hit.
Primary Rate	The percent of each wager added to the progressive prize or trigger.
Minimum Win	The minimum winning amount (commonly the reset amount).
Maximum Win	The maximum winning amount.
Award Type	The type of award (e.g. Progressive, Fixed Prize, In-kind).
Secondary Award	A secondary award amount delivered to the EGM as a System Hand Pay, commonly used to pay additional expenses like insurance for In-kind awards.
Award Text	A promotional message that is used to control iView or DM content.

BEPS includes comprehensive settings for System-Based Mystery Awards, such as reset amounts, rate, min- and max-wins, award types, and promotional messaging.

A traditional mystery award is the amount of the progressive at the time it's hit. BEPS also supports fixed-prize and in-kind mystery awards. Each of these awards uses the same triggering mechanism as the traditional mystery but will award a different amount that can be mathematically equivalent to the average award.

For example, if a traditional mystery reset and minimum win is $100, and the maximum win is $500, the average win would be $300. Instead of awarding a progressive prize, you could award a fixed-prize of $300 or merchandise of a similar cost.
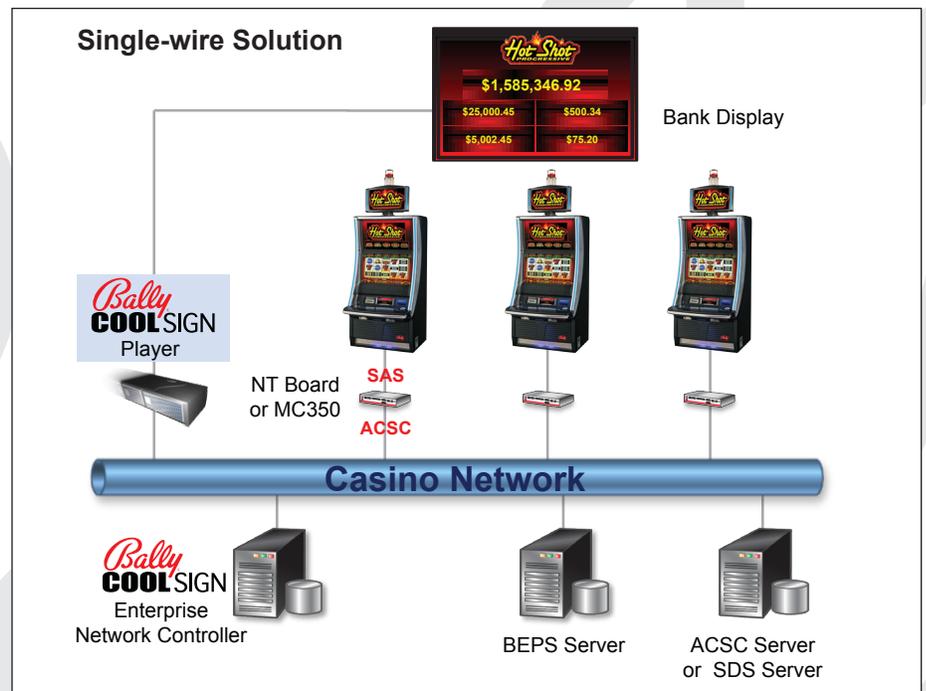
Intuitive, Effective Configuration

The BEPS Manager application includes additional settings and information for configuring symbol-driven and mystery progressives. We've designed the configuration screen specifically to help users calculate total costs, including any cost to reset the progressive or pay the fixed prize displayed as a percent of wagers.

Leverages Existing Casino Infrastructure

BEPS lets you make the most of what you already have by seamlessly integrating with and taking advantage of your existing infrastructure. By interfacing with the industry's most popular progressive meters and digital signage solutions, including Bally CoolSign®, BEPS offers total flexibility. You can also easily add BEPS to your current VMware® and Microsoft® server and storage for complete control. Piggy-backing off your current Bally system's SAS communications, BEPS capitalizes on Super Slotline™ to provide Ethernet on serial floors. For those non-Bally SMS operators, BEPS offers a second SAS Port solution – the GMM (Game Monitoring Module).
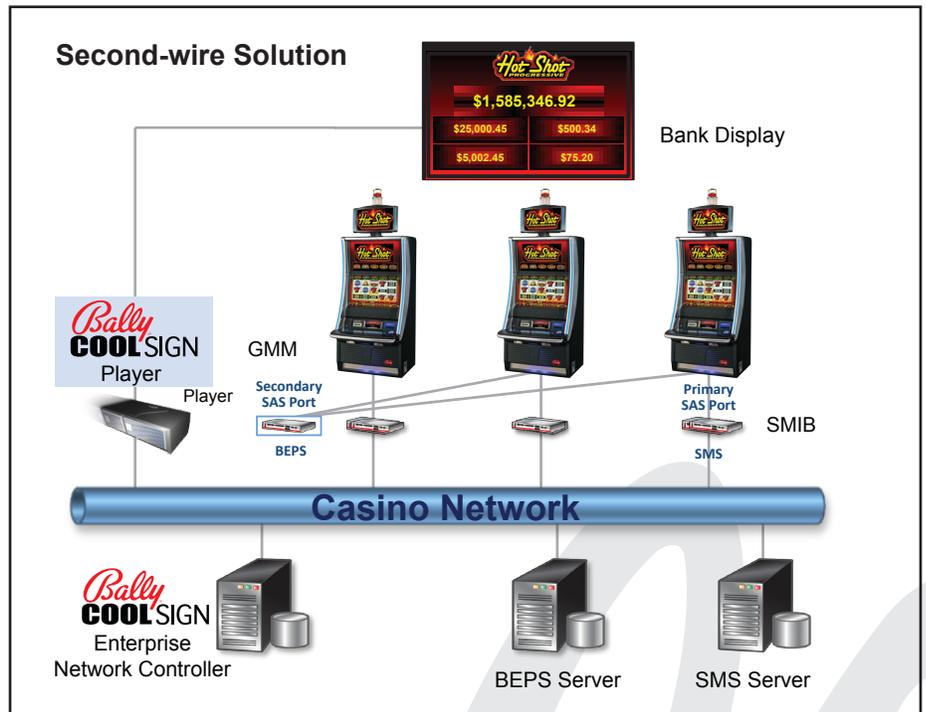
Single-Wire Solution

The Bally GMU Single-Wire Solution uses either a SDS™/ ACSC™ MC350 or ACSC™ NT Board to communicate both Bally SMS and BEPS with the EGM on the primary SAS port.

BEPS offers a single-wire solution for Bally system users.

Second-Wire Solution

For non-Bally SMS customers, we install BEPS with a GMM device to communicate with EGMs on the second SAS port. In this configuration, one GMM can connect multiple EGMs.

BEPS offers a second-wire soltuion for Non-Bally system users.

Promotional Signage

To attract and inform players, you must have signage over banks of EGMs and in individual game top-boxes. Your signs come from many manufacturers and operate with several protocols, and BEPS integrates with the most commonly used in-machine meters and overhead signs. Via a hardware module that can string together multiple display devices, BEPS connects your progressives directly to your existing signage. Of course, it also includes direct integration with Bally CoolSign.
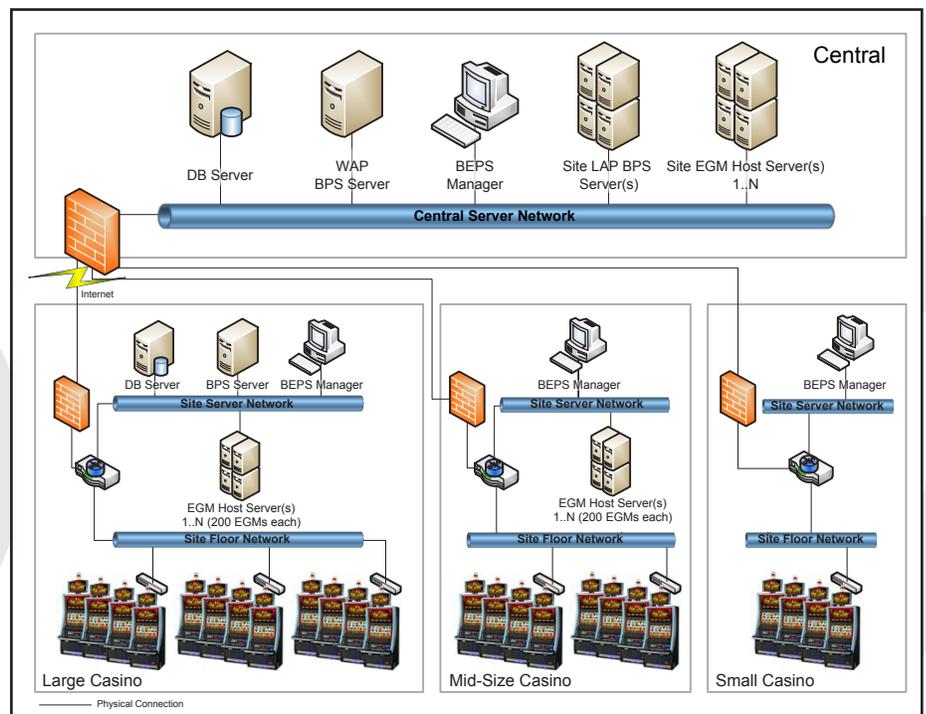
Distributed Multi-Site Architecture

Many of our customers have large operations that include multiple casinos, so we've designed BEPS to operate in a multi-site environment where you can distribute services to each site or install it centrally. This distributed architecture allows for flexible handling to meet the unique needs of each customer and provides better system performance under heavy loads.

Flexible Installation Options and Reliable Performance

Because each casino's needs are different, we support a variety of installation configurations. For large casinos with multiple properties, we offer a comprehensive solution to meet their ever-evolving needs. For mid-sized to small casinos, we tailor the installation to optimize resources. BEPS flexible

installation requirements mean we're able to customize the installation to fit your infrastructure, saving you time, money, and valuable resources.

Not only is BEPS installation flexible, but it's also extremely reliable. You can always operate BEPS' Site/Floor Controllers in standalone mode in case of a database server, network back-bone, or BEPS service outage. Plus, we can centralize all reporting and BEPS management for convenience, efficiency, and control. This flexibility and reliability gives you the ability to choose cost over performance and fault tolerance to find the installation that best suits your unique needs.

Exceptional Security

Data and system security are extremely important in our industry, and we've designed BEPS with that in mind. A robust set of security features are built within the system, including Windows staples such as Windows Authentication for inter-service communication, and Windows Active Directory™ for user authentication.

In addition, the BEPS Manager application only allows access to domain users through customizable roles your property sets. This gives you the ability to easily manage user access with Windows AD through traditional IT department services. We've also built in application-level security for complete control. BEPS tracks all user activity and configuration settings, and a rich set of reports shows all activity for all users and configuration history.

We also encrypt each message sent between BEPS services and require sender authentication using Windows security. Additionally, we use SSL encryption in all communications between the EGM (GMM or GMU) and BEPS system.

As you know, even with the best security measures in place, fraudulent activity is difficult to prevent. Redundant hardware and procedures cannot prevent all user mistakes. For this reason, BEPS rigorously audits all jackpot data throughout the life cycle of a prize. Each time a jackpot or level balance receives a contribution, BEPS audits the amount by comparing the service values with the database values.

When a player wins a progressive jackpot or the system restarts, BEPS performs an even more rigorous check. The sum of all jackpot contributions and other factoring values are compared with the actual jackpot amount and a secure, encrypted copy of the jackpot amount. If these values do not match, BEPS marks the jackpot with an audit failure and disables the linked games. This ensures no intentional, or unintentional actions, can cause an error in the jackpot amount.

Effortless Accounting

When it comes to reporting, we've designed BEPS to be simple, easy, and complete. At the end of each gaming day, BEPS collects the progressive data from each site and aggregates and stores it in the central reporting database. As a result of this data, at your fingertips are summary reports showing the day's progressive movements, including a comparison of the calculated ending jackpot value to the actual jackpot value recorded at day's end. Each report includes a label that depicts the formula used to calculate the value. There's also a field that gives the variance between the actual and calculated value.

When you need more specific information, a detailed report that breaks down the individual component of the calculation is always available. For example, if the calculation includes the seeds, contributions, and adjustments, the detailed report will include a breakdown of each. In the case of contribution, BEPS lists the amounts of each site, EGM, and game within the cabinet.

To better understand each jackpot over time, BEPS also provides a snapshot of the jackpot value, including the level reserve and other balances, along with each EGM's contributions during the set record time (e.g. every 10 minutes, one hour, etc.).

Integrating with Bally SDS and ACSC systems, BEPS uses the existing SMS infrastructure to communicate directly with the SMS servers to send progressive configuration and accounting data. You can then maintain the progressive configurations in one location, which will update the SMS when you modify it in BEPS.

By transferring the accounting data to the SMS, manual entry, and dual reporting is a thing of the past. This substantial benefit saves an incredible amount of resources, bringing you more profits and less stress. Additionally, you can include more granular accounting data in each report, including the reported contribution for each EGM and game within the cabinet.

What BEPS Can Do For You

Key BEPS Functions		
Multi-Game Support	Yes	
Progressive Configuration	Yes	
Signage Configuration	Yes	
Progressive Accrual and Update	Yes	
Jackpot Hit Processing	Yes	
Progressive Reporting (Eliminate Daily Manual Progressive Meter Reading)	Yes	
Progressive Adjustment	Yes	
Progressive Retirement	Yes	
User Roles and Account Management	Active Directory / BEPS	
Performance Monitoring	MS Perfmon	
Event Monitoring	Yes	
Jackpot Monitoring	Yes	
BEPS Software Integrity Monitoring	Yes	
Site/Floor Controller Standalone Operation	Yes	
Event and Jackpot Notifications (Email and SMS)	Forthcoming	
Prize Types	**Progressive**	**Mystery**
Progressives	Yes	Yes
Fixed Prize	Yes	Yes
In-Kind Prize (Car, Motorcycle, etc.)	Yes	Requires Bally SMS
Secondary Awards	Yes	Yes
Internationalization	Yes	
Capacity	Per Site	Enterprise
EGMs	10,000	20,000
Progressive Levels (including Standalone Levels)	2,000	5,000
System Requirements		
MS Windows® Server 2008 R2 Standard	Standard	Standard
MS SQL Server® 2008 or 2008 R2 Standard	Standard	Enterprise Recommended
Single-wire Solution	SDS	ACSC
Ethernet Floor	MC350	MC350/NT
Serial Floor	Super Slotline	NT /Super Slotline
Second SAS Port Solution	GMM	
SMS BEPS Reconciliation, Accounting, Reporting	SDS 12.5+	
Signage Support		
CoolSign	Yes	
Mikohn	GMM Required	
Paltronics	GMM Required	
Spectronix	GMM Required	
CastNET	Yes	