Standing on the tarmac at the Atlanta airport, Delta Air Lines CEO Richard Anderson suddenly finds himself face-to-face with an unusually inquisitive baggage handler. It happens to be Valentine's Day. But more to the point, it's Delta's fifth-annual "Profit-Sharing Day," a rah-rah corporate celebration. At airports around the country, most of the airline's 80,000 employees are receiving bonus checks equivalent to about a month's pay. And outside Concourse A here in Atlanta, the event has the feel of a house party. The folks who refuel aircraft and drive "tugs" are filling plates with barbecue and listening to a DJ spin hip-hop at earsplitting volume as planes take off and land nearby. After 15 minutes of shaking hands and making small talk, Anderson is about to make his exit when he is cornered by James F. Martin, a burly 40-year Delta veteran whom Anderson instantly anoints the Dean of the Baggage Room. The Dean doesn't waste any time getting to his point. "All the TV business shows say we've been making big profits, " he says. "So are we going to get bought?"

The CEO has a ready answer. "That will never happen," says Anderson, sporting an orange safety vest over his gray suit. "The big mergers in our business have been done. We're just gonna keep making lots of money for a long, long time."

There's no doubt that it's a new era for the airline industry. In the decade ending in 2010, the so-called network airlines -- a group of large, hub-oriented carriers with international service that once included American, United, Continental, US Airways, and Northwest as well as Delta (DAL, Fortune 500) -- lost a staggering $77 billion, and in the 2000s all but Continental entered and exited bankruptcy. Today the picture has improved dramatically, for a fundamental reason: A wave of consolidation has created fewer, bigger carriers and has left the survivors with better pricing power.

It was Anderson and Delta that led the way with a $3.1 billion acquisition of Northwest Airlines in 2008. That was followed by the $3.2 billion merger of United and Continental in 2011 and US Airways' $11 billion merger with American this past December. Today the remaining three network carriers -- American (AAL), United (UAL, Fortune 500), and Delta -- transport 53% of the nation's travelers, funneling customers through gigantic hubs such as Dallas-Fort Worth (American), Chicago (United), and Atlanta (Delta). That compares with a 37% combined share for those airlines in 2007. Low-cost carrier Southwest (LUV, Fortune 500) has also expanded via its recent acquisition of AirTran. But Southwest specializes in moving
Anderson's success at Delta is raising hopes in the industry that a network carrier has finally cracked the code for how to stay consistently profitable. "The story of the airlines has been one of big financial losses," says Sir Richard Branson, president of Virgin Atlantic, which recently formed a partnership with Delta. "Anderson is proving that the horrible yo-yo effect doesn't have to keep repeating." That same prediction has been made before, of course, about other airlines and their leaders. But the structural realignment in the industry raises the odds of success this time.

The outlook for passengers in this post-consolidation world might not be quite as rosy. When industry leaders boast that the carriers are newly "rational" and "disciplined," they're really saying that fares will keep rising. "The airlines are pitching seamless travel and more frequent-flier miles," says Richard Gritta, a finance professor at the University of Portland in Oregon. "What customers will get is higher prices, tiny legroom, and packed planes." The industry rejoinder is that the larger carriers will be able to move passengers more efficiently wherever they need to go around the globe. Furthermore, if the airlines are healthier, executives say, they'll be less susceptible to labor disruption and more focused on pleasing customers.

At Delta, Anderson has made good labor relations a priority. He's achieved a strong rapport in part by purchasing workers' affections with pay and profit sharing that's well above the industry standards. That approach has kept the unions at bay, making Delta the sole mainly non-union carrier among the network airlines. And a happy workforce appears to be an efficient one too. Delta now boasts the best figures among its peers in on-time arrivals, flight cancellations, and lost baggage.

That relative harmony is allowing Anderson to focus on further boosting financial results. More than six years into his tenure, the 58-year-old CEO, a onetime prosecutor and health care executive, is determined to establish a new benchmark for Wall Street to judge his airline. "I want Delta to be measured not alongside airlines, but with the guys on Main Street," he explains. He happens to have some pretty unconventional ideas about how to achieve his goals.

In late February, Anderson announced a revolutionary change in Delta's frequent-flier programs. Until now, airlines have always given credit to travelers based on miles traveled, not dollars spent. At the start of 2015, Delta will reward its SkyMiles customers according to the price of their tickets. As a result, business travelers -- the folks who pay top fares and generate an outsize portion of Delta's profits -- will get a huge boost, garnering as much as five times the credit on expensive flights as they receive now. It's a bold strategic gamble that Anderson hopes will help Delta grab lucrative corporate business from its two main rivals.

Anderson's success at his job reflects both a mind that gravitates toward mastery of technical detail and the atypical path that landed him in the role. He grew up in Galveston, the son of an office railroad worker and a medical receptionist, and became the first member of his family to go to college when he enrolled at the University of Houston. But his time as a carefree
undergraduate was short-lived: By the end of his junior year, both of his parents had died. "I got a crash course in the realities of life," Anderson says. While in school, he labored as a plumber's assistant to support his two younger sisters, then worked full-time as a clerk in the Houston district attorney's office while taking night courses at South Texas College of Law. After graduating in 1982, he worked as an assistant DA. Anderson has maintained a working-class sensibility. He and his wife, Susan, live in a modest house in an Atlanta suburb, and the 6-foot 1-inch CEO makes a point of always flying coach.

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A chance friendship introduced Anderson to the airline business. His next-door neighbor back in Houston was Ben Hirst, the general counsel at then-bankrupt Continental, and in 1985 he persuaded the young DA to join him in the legal department. Anderson soon proved his mettle during a historic tragedy. On Nov. 15, 1987, a Continental plane crashed in Denver, killing 28 passengers. Hirst dispatched Anderson, who dealt superbly with the insurance companies and regulators. "What impressed me was how he kept one eye on the technical issues, and the other eye on appealing to people, to understanding human nature," says Hirst, 69, who today is Delta's general counsel.

In 1990, Anderson followed his mentor Hirst to Northwest, then a scrappy outfit controlled by buyout specialists Al Checchi and Gary Wilson. Northwest was the perfect place to volunteer for bigger and bigger jobs. Anderson took on labor relations, government affairs, and facilities management, overseeing the construction of a state-of-the-art $1.2 billion terminal in Detroit that is now a prime Delta gateway to its Pacific routes. His big break came in 1997, when he was made head of technical operations, supervising all repairs and upgrades of the Northwest fleet. Anderson studied up, until he knew almost as much about engines and fuel pumps as his engineers did.

Anderson was named CEO of Northwest in early 2001. But he was forced into crisis mode almost immediately. The 9/11 terrorist attacks and the spike in oil prices caused by the Gulf War saddled the industry with immense losses. Over the course of the next three years, Anderson laid off 17,000 workers and cut costs by more than $1 billion a year. The experience wore him down.

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So he made a highly uncommon career move. In 2004 he left Northwest to take a non-CEO executive role at insurance giant UnitedHealth Group (UNH, Fortune 500). (It helped that the pay, $4 million a year, was actually much better.) UnitedHealth quickly encountered big problems of its own: CEO William McGuire was enmeshed in a scandal over backdating stock options and was eventually forced to resign. Anderson took on the tough task of clawing back options from McGuire.

By mid-2007, Anderson realized he missed the thrill of running an airline. So when he was offered the top job at Delta -- then poised to exit bankruptcy -- he jumped at the opportunity. Anderson saw several reasons for optimism. He liked that Delta had begun to strongly expand its European business. And he was impressed that Delta lowered its debt immensely while in bankruptcy, and improved its labor relations -- solidified when workers and management had banded together to fend off a takeover attempt by US Airways. The point person on labor relations was Delta president Ed Bastian, whom Anderson retained and is now promoting to be his eventual successor as CEO.

Anderson returned with epic ambitions. "I wanted nothing less than to fix the business," he says. He made a list of three strategic pillars. First, create far greater size and scope, both through a big domestic merger and alliances with foreign carriers. Second, exert stronger control over the biggest expense, fuel oil prices. And third, avoid strikes by maintaining excellent labor relations.

Step one was accomplished by forging the deal with Northwest, which exited bankruptcy the same day as Delta. His old company brought what Delta lacked -- a premium international franchise. But Anderson felt that to make the deal work, Delta's culture and practices had to dominate. The Northwest employees were virtually all unionized, and the big unions were hungry to use that wedge to bring the Delta employees into their ranks. "I was determined to keep most of Delta non-union," says Anderson. "We needed to maintain the direct relationship with employees."

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Delta argued that its pay levels were higher than unions were commanding at other airlines, and that its work rules gave flight attendants and machinists the flexibility to work longer hours, and hence pocket more pay. Its generous profit-sharing plan, which now hands employees 10% of the profits up to $2 billion and 20% over $2 billion, also attested to Anderson's goodwill. In 2010 over 50,000 flight attendants, machinists, meteorologists, and members of other trades voted on whether to join unions. All nine elections went in favor of management. In one stroke, Delta effectively de-unionized almost 17,000 Northwest employees.
Besides nurturing strong ties with employees, Anderson is a hawk at generating maximum earnings with a minimum of capital. For an airline, that means managing its "capital-on-wings," or the fleet of aircraft. And that is why, under Anderson, Delta is so focused on buying used planes cheap and refurbishing old ones to hold down capital expenditures and debt.

On its major domestic and international routes, Delta owns and operates 700 aircraft. About half are relatively young and require only refurbishing. To replace the remaining 350, most airlines would have bitten the bullet and purchased all-new planes. By Delta's calculations, that would have cost over $22 billion. Instead Anderson went heavily with old and refurbished aircraft. He replaced 49 narrow-bodies with MD90s that are more than a decade old. "We went on a worldwide hunt for MD90s," says Nat Pieper, chief of fleet strategy. The MD90s cost $10 million to $13 million to buy and fix up, vs. about $40 million for a new 737. Delta didn't buy a single wide-body for international routes. Instead it retroed and repaired the interiors of its entire fleet of 145 planes. It replaced just 100 planes with new ones, all for domestic routes. All told, Delta's total investment over the past four years for upgrading its fleet comes to just $11 billion, about half what it would have spent on a brand-new fleet.

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The approach is working for now. The question is whether it poses risks for the future that his rivals won't face. Delta's competitors decline to comment on the used-plane strategy for the record. But they clearly think it's risky. "Delta's fleet is 17 years old on average, and that's too old," says a top executive at another airline. "It's facing a big maintenance bubble followed by a capex bubble. They're just putting off capex to make their numbers look good." Anderson counters that Delta will keep its advantage in capital costs by replacing its older planes gradually and in small batches, with both proven new and younger used planes. He greatly prefers that approach to splurging on big orders for new models that may encounter technical problems in their first few years on the market.

Looking to the future, one of Anderson's biggest goals is to strengthen Delta's already powerful hubs. That's where the big money is, now and in the future. Delta's portfolio of hubs -- chiefly Atlanta, Detroit, LaGuardia, and Minneapolis -- form the most lucrative collection of any airline, according to data assembled by Vaughn Cordle of Ionosphere Capital, an investment advisory firm focused on airlines. Atlantic is the world's busiest airport, and Delta handles 2,000 flights a day there, accounting for 80% of the traffic at peak times. Delta's share in Detroit is 79%, and in Minneapolis it's 77%. United's traffic concentration at its hubs is a little lower on average, and American's share is actually slightly higher.

But Delta does the best job of leveraging its hubs to attract more high-paying business passengers. The key to pricing power is for an airline to attract the largest possible share of traffic on each "city pair" -- the route between a hub airport and the destination. Delta has 80% of the seats from Atlanta to Minneapolis and 67% of traffic from Atlanta to New York's LaGuardia. "That explains why Delta gets the best 'revenue premiums,' the highest fares per mile flown, in the industry," explains Cordle.

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Anderson is also positioning Delta to get a growing share of the increasingly profitable international market. The creation of alliances among big foreign airlines and the U.S. network carriers is essentially forming oligopolies over the Atlantic and Pacific skies. Each of the network carriers has formed antitrust-exempt partnerships with major foreign airlines: American has deals with British Airways and JAL; United has partnered with Lufthansa and All-Nippon; and Delta is aligned with Air France, KLM, and Alitalia. Delta and Air France, for example, can coordinate schedules, combine their reservation desks, and pool revenues. The result is a kind of "virtual merger" without the pain of integrating workforces. If planes on the routes that both airlines serve aren't full, the carriers can jointly plan fewer flights. That ability to manage capacity greatly enhances profitability. Flights between Delta's U.S. airports and cities in France, the Netherlands, and Italy alone now represent a $12 billion business for Delta and its partners and reap double-digit margins.

The alliances do compete on many international routes. But pricing is far stronger when two competitors offer service rather than four or five. A case in point is Delta's deal with Virgin Atlantic, which was recently granted antitrust immunity. To build the transatlantic franchise, Delta spent $1.4 billion on renovating and expanding Terminal 4 at John F. Kennedy airport in New York. Until recently Delta was a weak player in the world's top international route for business travelers: J.F.K. to London's Heathrow. In 2009, Virgin Atlantic, British Airways, American, and Delta all competed for that business. In 2010, BA and American combined operations and dominated the market. But now Delta has more than doubled its flights to Heathrow from J.F.K., from three to seven per day. Overnight its market share has doubled, to 37%. Together, American-BA and Delta-Virgin control over 90% of the route.

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Offering frequent flights to major international cities is essential to winning high-margin corporate contracts. Companies want
to give most of their business to one or two carriers that can take them virtually anywhere in the world. Until a couple of years ago Delta faced a big disadvantage: an undersize position in New York City. For Anderson it was essential to make New York a big domestic hub as well as an international gateway so that Delta could offer its full package to corporate clients. Since his arrival the CEO has lavished almost all of Delta's non-aircraft investment on expanding at J.F.K. and LaGuardia.

The move is paying off: Delta now handles 40% of the passengers coming and going from LaGuardia. And its share of the corporate market in New York has jumped from 28% to 37% in three years. In the past Delta did little business with the financial services giants that dominate business travel in New York. Today it's No. 1 or No. 2 with almost all the big banks and brokerages, including Citigroup, J.P. Morgan Chase, and Morgan Stanley.

With so much going right, it's easy for Anderson to make the case that Delta's turbulent times are indeed in the past. Back on the tarmac in Atlanta, the CEO has a final word for the baggage handler. "We're just gonna to keep those profit-sharing checks getting bigger," says Anderson. He leaves the Dean beaming.

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