Case 1-1
Nucor Corporation (A)

We are a cyclical business. . . . Basically when you are at the peak of the cycle—times are good, interest rates are low, people are building—our margins increase. When we go to the trough, of course, the margins are squeezed. But over the last 25 years Nucor has never had a losing quarter. Not only a losing quarter, we have never had a losing month or a losing week. 1

John D. Correnti, President and CEO, Nucor

In 1998 Nucor was a Fortune 500 company with 6,900 employees and sales of $4.3 billion in steel and steel-related products. Its chairman, F. Kenneth Iverson, had headed the company for more than 30 years. During his tenure, the steel industry faced a number of problems, including foreign competition, strained labor relations, and slowed demand for steel (related in part to the substitution of alternative materials). Despite these industry challenges, Nucor's sales during Iverson's tenure grew at an annual compound rate of about 17 percent per annum. Selected comparative financial data are shown in Exhibit 1. In different years, both Iverson and Nucor CEO John Correnti were named Steelmaker of the Year by New Steel magazine.

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<thead>
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<th>EXHIBIT 1 Selected Financial Data 1993–1997</th>
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<tr>
<td>Nucor</td>
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<td>Texas Industries* (parent of Chaparral Steel)</td>
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*Mini-mill.
†Integrated steel producer.

This case was prepared by Vijay Govindarajan. The cooperation and help provided by F. Kenneth Iverson, chairman, Nucor Corporation, in preparing this case study is greatly appreciated. Copyright © Dartmouth College.

History

Nucor traced its origins to auto manufacturer Ransom E. Olds, who founded Oldsmobile and, later, Reo Motor Cars. Through a series of transactions, the company Olds founded eventually became the Nuclear Corporation of America, a company involved in the nuclear instrument and electronics business in the 1950s and early 1960s.

The firm suffered several money-losing years and in 1965, facing bankruptcy, installed 39-year-old Ken Iverson as president.

Iverson had a bachelor's degree in aeronautical engineering from Cornell and a master's degree in mechanical engineering from Purdue. He began his professional career as a research physicist and held several technical and management positions in the metals industry. He joined Nuclear Corporation of America as a vice president in 1962 and was appointed president three years later.

Iverson focused the failing company on two businesses: making steel from recycled scrap metal and fabricating steel joists for use in nonresidential construction. In 1972 the firm changed its name to Nucor Corporation. By 1998 it had become America's second-largest steel maker.

Operations

Nucor located its diverse facilities in rural areas across the United States, establishing strong ties to its local communities and its work force. As a leading employer with the ability to pay top wages, it attracted hard-working, dedicated employees. These factors also allowed Nucor to select from among competing locales, siting its operations in states with tax structures that encouraged business growth and regulatory policies that favored the company's commitment to remaining union-free. By 1998 Nucor and its subsidiaries consisted of nine businesses, with 25 plants. These businesses included the following:

**Nucor Steel**
Products: steel sheet, bars, angles, light structural carbon and alloy steels

**Nucor-Yamato Steel Company**
Products: wide-flange steel beams, pilings, heavy structural steel products
Plant: Blytheville, Ark.

**Vulcraft**
Products: steel joists, joist girders and steel deck for building construction
Plants: Florence, S.C.; Norfolk, Nebr.; Fort Payne, Ala.; Grapeland, Tex.; Saint Joe, Ind.; Brigham City, Utah

**Nucor Cold Finish**
Products: cold-finished steel products for shafting, precision machined parts
Plants: Norfolk, Nebr.; Darlington, S.C.; Brigham City, Utah

**Nucor Fastener**
Products: standard steel hexhead cap screws, hex bolts, socket head cap screws
Plants: Saint Joe, Ind.; Conway, Ark.
**Nucor Bearing Products, Inc.**
Products: unground and semi-ground automotive steel bearings, machined steel parts
Plant: Wilson, N.C.

**Nucor Building Systems**
Products: metal buildings, metal building components
Plants: Waterloo, Ind.; Swansea, S.C.

**Nucor Grinding Balls**
Products: steel grinding balls used by the mining industry to process ores
Plant: Brigham City, Utah

**Nucor Wire**
Products: stainless steel wire
Plant: Lancaster, S.C.

**Strategy**

Nucor's strategy focused on two major competencies: building steel manufacturing facilities economically and operating them productively. The company's hallmarks were continuous innovation, modern equipment, individualized customer service, and a commitment to producing high-quality steel and steel products at competitive prices. Nucor was the first in its industry to adopt a number of new products and innovative processes, including thin-slab cast steel, iron carbide, and the direct casting of stainless wire.

In 1998 Nucor produced a greater variety of steel products than did any other steel company in the United States—both low-end (non-flat) steel, such as reinforcing bar, and high-end (flat) steel, including motor lamination steel used in dishwashers, washers, and dryers, as well as stainless steel used in automotive catalytic converters and exhaust systems.

Nucor’s major customer segments were the construction industry (60 percent), the automotive and appliance industries (15 percent), and the oil and gas industries (15 percent), with the remaining 10 percent divided among miscellaneous users. All the company’s low-end steel products (50 percent of its total output) were distributed through steel service centers. Its high-end products (the other 50 percent) were sold directly to original equipment manufacturers (OEMs), fabricators, or end-use customers.

Nucor’s ratio of debt to total capital was not allowed to exceed 30 percent. In 1997 that ratio was 7 percent. The company did not believe in acquisitions or mergers, choosing instead to commit to internally generated growth. It had no plans to diversify beyond steel and steel-related products.

**Organization Structure**

Compared to the typical Fortune 500 company with 10 or more management layers, Nucor's structure was decentralized, with only the four management layers, illustrated below:

Chairman / Vice Chairman / President
Vice President / Plant General Manager
Department Manager
Supervisor
“We have a very flat organization structure,” said president and CEO John Correnti. “The standard joke in the company is if you are a janitor and you get five promotions, you have Correnti’s job. If you take a typical organization chart, it is the typical pyramid. You take our company, you turn the pyramid upside down; 6,800 people do not work for me, I work for 6,800 people.”

In 1998 Nucor’s board of directors had only six members: the current chairman, president, and chief financial officer, and three retired Nucor executives. Only 22 employees (including clerical staff) worked at the corporate head office, which was located in an unassuming office building across the street from a shopping mall. All other employees worked in one of the company’s 25 plants, each of which employed, on average, between 250 and 300 people.

The general manager at each plant was granted considerable autonomy, essentially operating the facility as an independent business. Each plant could source its inputs either from another Nucor plant or from the outside market. With the day-to-day decisions being made on site and the lines of communication to employees kept open and informal, problems could be solved quickly without having to wait for decisions from headquarters. “We are honest-to-God autonomous,” said the general manager of one plant. “That means that we duplicate efforts made in other parts of Nucor. The company might develop the same computer program six times. But the advantages of local autonomy are so great, we think it is worth it.” One such advantage, noted Iverson, was greater operating efficiency. “None of our divisions are in the same town as our Charlotte, North Carolina, headquarters,” he said. “If any of them were, us headquarters types would always be over there making suggestions and wasting their time with our opinions. A general manager running a division in Charlotte would feel like he was living with his mother-in-law.”

Other remarks by Iverson provided insight into the company’s tolerance for experimentation and willingness to take risks: “We try to impress on our employees that we are not King Solomon. We use an expression that I really like: ‘Good managers make bad decisions.’ We believe that if you take an average person and put him in a management position, he’ll make 50 percent good decisions and 50 percent bad decisions. A good manager makes 60 percent good decisions. That means 40 percent of those decisions could have been better. We continually tell our employees that it is their responsibility to the company to let the managers know when they make those 40 percent decisions that could have been better. . . . The only other point I’d like to make about decision making is, don’t keep making the same bad decisions.”

In a 1998 interview, Iverson said that “management can’t be effective without taking some amount of risk. A group of us were just recently thinking about the pluses and minuses of sinking millions of dollars into a new process for pickling steel, removing all the rust before finishing it. Right now, that’s done by using acid. But maybe it can be done better, faster, cheaper electrolytically. . . . I

\(^2\)Ibid., p. 20.

\(^3\)Ken Iverson, Plain Talk (New York: John Wiley & Sons, 1998), p. 27.

\(^4\)Ibid., p. 37.

can’t stand it when there are not strange ideas (like this one) floating around the company.  

Human Resource Policies

Nucor was very selective in recruiting employees and was able to choose from a large applicant pool. Noted Iverson, “Darlington [S.C.] needed eight people, and we put a little ad in the county weekly newspaper that said, ‘Nucor Steel will take some applications on Saturday morning at 8:30 for new employees.’ When we went out there for the interviewing, there were 1,200 people lined up in that plant. We couldn’t even get into the plant to get to the personnel department. . . . Finally, we called the state police and said, ‘You’ve got to do something. We’ve got a traffic jam out here.’ And the cop on duty said, ‘We can’t do it, because we’ve got three people out there applying for jobs ourselves!’  

Employee relations at Nucor were based on four principles:

1. Management is obligated to manage Nucor in such a way that employees will have the opportunity to earn according to their productivity.
2. Employees should feel confident that if they do their jobs properly, they will have a job tomorrow.
3. Employees have the right to be treated fairly.
4. Employees must have an avenue of appeal when they believe they are being treated unfairly.

As part of its commitment to fairness, Nucor had a grievance procedure that allowed any employee to ask for a review of a grievance if he or she felt the supervisor had not provided a fair hearing. The grievance could move up to the general manager level and, if the employee was still not satisfied, could be submitted to headquarters management for final appeal.

General managers were required to hold annual dinners with every employee, meeting with groups of 25 to 100 at a time. These meetings gave employees a chance to discuss problems relating to scheduling, equipment, organization, and production. The ground rules were simple: All comments were to be business related and not involve personalities, and all criticism was to be taken under advisement by management for decisive action. Like traditional New England town meetings, the format was free and open. Topics varied widely from year to year, and sometimes the sessions lasted well beyond midnight.

Another key aspect of Nucor’s relationship with its workers was its commitment not to lay off or furlough employees in periods when business was down. Instead of reducing the workforce during recessionary periods (as was the usual industry practice), Nucor would reduce the workweek. A former employee of an integrated steel company said, “At Nucor, the cold-mill manager says that almost all of the improvements have come from operators and operating supervisors. At my former plant, operators are reluctant to suggest improvements for fear of reducing or eliminating another worker’s job.”

7Ibid., p. 42.
Nucor's labor force was not unionized. An employee at Nucor Steel in Hickman, Arkansas, presented the majority view: “Why is Nucor nonunion? I see two main reasons. First, it's just not needed. Nucor takes very good care of its employees. Its pay and benefits package is top-notch. No one has been capriciously fired. There are no layoffs. Nucor listens to its employees through monthly crew meetings, annual dinners, and employee surveys. We just don't need union mediators. . . . The second reason is that we all work together. We don't need divisiveness. We don't need adversaries. We can talk among ourselves and work out our own problems.”

Iverson noted the effectiveness of this approach: “People like to work here. For example, the last time we had a union organizer in Darlington, we had to send management out to protect the union guy passing out the pamphlets.”

### Compensation

Nucor provided employees with a performance-related compensation system. All employees were covered under one of four compensation plans, each featuring incentives for meeting specific goals and targets.

1. Production Incentive Plan

This covered most Nucor workers. Under this plan, employees directly involved in manufacturing were paid weekly bonuses based on actual output in relation to anticipated production tonnages produced. The bonuses were paid only for work that met quality standards and were pegged to work group, rather than individual output. (Each work group contained 25 to 40 workers.) Once the standard output was determined, it was not revised unless there was a significant change in the way a production process was performed due to a source other than the workers in the bonus group. Bonuses were tied to attendance and tardiness standards. If one worker's tardiness or attendance problems caused the group to miss its weekly output target, every member of the group was denied a bonus for that week. “This bonus system is very tough,” said Iverson. “If you are late, even only five minutes, you lose your bonus for the day. If you are thirty minutes late or you are absent for sickness or anything else, you lose your bonus for the week. Now, we have four forgiveness days per year when you might need to close on a house or your wife is having a baby, but only four.”

Maintenance personnel were assigned to each shift, and they participated in the bonus along with the other members operating on that shift; no bonus was paid if equipment was not operating. Production supervisors were also a part of the bonus group and received the same bonus as the employees they supervised. The weekly output by, and bonus for, each work group were displayed at the front entrance to the factory. While there were no upper caps, the production incentive bonus, in general, averaged 80 to 150 percent of the base wage.

Iverson gave an example of how this plan worked: “In the steel mills, there are nine bonus groups: three in melting and casting, three in rolling, and three in finishing and shipping. Take melting and casting, for example. We start with

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10Steel Man Ken Iverson,” Inc, April 1986, pp. 41–42.
11Ibid., pp. 44–45.
2. Department Manager Incentive Plan

Nucor's department managers oversaw the production supervisors and, in turn, reported directly to the general manager of their plant. They earned an annual incentive bonus based on the performance of the entire plant to which they belonged. The targeted performance criterion here was return on assets. Every plant operated as a stand-alone business unit. All the plants had the same performance target: a return of 25 percent or better on the assets employed within that plant. In recent years, bonuses averaged 82 percent of base salary.

3. Non-Production and Non-Department Manager Incentive Plan

All employees not on the Production Incentive Plan or the Department Manager Incentive Plan—including accountants, engineers, secretaries, clerks, and receptionists—received a bonus based primarily on each plant's return on assets. It could total over 25 percent of an employee's base salary. Every month each plant received a chart showing its return on assets on a year-to-date basis. This chart was posted in the employee cafeteria or break area together with another chart that showed the bonus payout; this kept employees appraised of their expected bonus levels throughout the year.

4. Senior Officers Incentive Plan

The designation "senior officers" included all corporate executives and plant general managers. Nucor senior officers did not have employment contracts, nor did they participate in any profit sharing, pension, or retirement plans. Their base salaries were lower than those received by executives in comparable companies. Senior officers had only one incentive compensation system, based on Nucor's return on stockholders' equity above certain minimum earnings. A portion of pretax earnings was placed into a pool that was divided among the officers. If Nucor did well, the officers' bonuses, in the form of stock (about 60 percent) and cash (about 40 percent), could amount to several times their base salaries. If Nucor did poorly, an officer's compensation was only base salary and, therefore, significantly below the average pay for this level of responsibility.

During a slack period in the 1980s, Iverson was named the Fortune 500 CEO with the lowest compensation. He saw this as an honor. "When I walked through a plant during that period of time when we had to cut back to a four-day work week, or even three-and-a-half days, I never heard an employee who complained," he said. "His pay may have been cut 25 percent, but he knew that his department head was cut even more and that the officers were cut, percentage-wise, even more than that. I call it our 'share-the-pain' program. . . . I think in 1980 I earned $430,000. In 1982, I earned $108,000. Management should take the biggest drop in pay because they have the most responsibility."

12Ibid.
13Ibid., p. 44.
Information Systems

Every week each plant sent data to headquarters on the following six operations-related variables: bids, orders, production, backlog, inventory, and shipments. Taken together, these numbers provided a snapshot of the plant’s basic operations. The figures for all 25 plants were pulled together onto one 8.5” * 11” sheet of paper. Each plant also submitted a second weekly report comparing the numbers on the six variables for the current week with those for the previous week, and the numbers for the most recent 13-week period with those for the corresponding period in the previous year. This second group of data from all 25 plants was compiled in a four-page report. Thus, all weekly data for the 25 plants were pulled together onto just five sheets of paper for corporate review.

Each plant also submitted a monthly report comparing actual to budgeted figures for sales revenue, costs, contribution, and return on assets employed.

Iverson made the following observations regarding the design of Nucor’s information systems: “We don’t look over the shoulders of our general managers and we don’t ask them to submit voluminous reports explaining their actions. But that doesn’t mean we are not paying attention. Delegation without information is suicide. . . . In short, while we work hard to get the information we need, we’ve worked just as hard to keep our reports streamlined and ourselves free of ‘information overload.’ A lot of managers seem to miss the link between information overload and their compulsion to overcontrol their operations. But the connection is really obvious. Too much information puts you in the same position as too little information—you don’t know what’s going on. And when you don’t know what’s going on, it is hard to stay out of your people’s hair. It’s hard to tell them ‘trust your instincts,’ and really mean it.”

All the plant general managers met as a group with headquarters management three times a year—in February, May, and November—to review each plant’s performance and to plan for the months and years ahead. In addition, detailed performance data on each plant were distributed to all plant managers on a regular basis. Plant general managers and machine operators also commonly visited each other’s mills.

Benefits

Nucor took an egalitarian approach toward employee benefits. Senior executives did not enjoy such traditional perquisites as company cars, corporate jets, executive dining rooms, or executive parking places. “Our corporate dining room is the deli across the street,” remarked Iverson. All employees traveled in economy class, including Ken Iverson. Certain benefits, such as Nucor’s profit-sharing and scholarship programs, its employee stock purchase plan, and its service awards, were not available to Nucor’s officers. All employees had the same holidays, vacation schedules, and insurance programs, and all, including the CEO, wore the same green hard hats. (In a typical manufacturing company,

14Iverson, Plain Talk, pp. 37–39.
15Ibid., p. 59.
people wore different colored hats in accordance with status or seniority, and the CEO's often was gold-plated! Every Nucor annual report contained the names of every employee listed alphabetically on the front cover.

The company maintained a profit-sharing plan for employees below the officer level, contributing a minimum of 10 percent of Nucor's pretax earnings each year. Of this amount, approximately 15 to 20 percent was paid out to employees in March of the following year as cash profit sharing. The remainder was placed in trust and allocated to employees based on their earnings as a percentage of the total earnings paid throughout Nucor. The employees themselves made no contributions to this plan. They became fully vested after seven full years of service and received payment when they retired or terminated employment with Nucor. In the 1990s, several employees had more than $300,000 in the trust.

Nucor had a monthly stock purchase plan featuring a 10 percent Nucor matching contribution, and a 401(k) retirement savings plan that included a matching contribution of 5 to 25 percent of the employee's contribution based on Nucor's return on shareholders' equity. Additionally, employees received five shares of Nucor common stock for each five years of continuous service as well as standard medical, dental, disability, and life insurance coverage and standard vacation and holiday packages.

Nucor's benefit program also attested to the company's commitment to education. On-the-job training was a matter of policy, with employees being taught to perform multiple functions. The Nucor Scholarship Fund provided awards of up to $2,200 a year for up to four years to employees' children who pursued higher education or vocational training past high school. In 1996 the plan covered more than 600 students attending some 200 different learning institutions. According to Correnti, these scholarships cost Nucor about $1.3 million a year but created a priceless reservoir of goodwill. "This gets Nucor around the dinner table at night," he said. "It creates loyalty among our employees... Our turnover is so miniscule we do not even measure it."

Nucor encouraged employees to recruit their friends and relatives to work for the company. As an industry observer remarked, "In fact, for existing employees, Nucor often means Nephews, Uncles, Cousins, and Other Relatives."

Technology

Nucor did not have a formal R&D department, a corporate engineering group, or a chief technology officer. Instead, it relied on equipment suppliers and other companies to do the R&D, and they adopted the technological advancements they developed—whether in steel or iron making, or in fabrication. Teams composed of managers, engineers, and machine operators decided what technology to adopt.

Integrated steel companies produced steel from iron ore using blast furnaces. Nucor successfully adopted the "mini-mill" concept—first developed in Europe and Japan—in the plant it built in Darlington, South Carolina,

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in 1969. Unlike integrated steel companies, mini-mills did not start with iron ore; instead, they converted scrap steel into finished steel using small-scale electric furnaces. Nucor purchased its scrap requirements from third-party agents at open market prices. For the non-flat, commodity segment of the steel industry (reinforcing bar for construction and rods for pipe, rail, and screws), mini-mills had a cost advantage over integrated steel producers, eventually driving the latter out of the low end of the steel industry.

Until the mid-1980s, however, mini-mills could not produce the flat steel products required by automotive and appliance customers, and this high-end market was monopolized by the integrated steel producers. Then, in 1987, Nucor made history by building the first mini-mill that could make flat steel (in Crawfordsville, Indiana), thus gaining entry into the premium segment of the steel industry.

At its Crawfordsville facility, Nucor gambled on the thin-slab casting technology developed by SMS Schloemann-Siemag, a West German company. Staff engineers from more than 100 steel companies visited SMS to explore this technology, which had been demonstrated in a small pilot but not yet proven commercially. But Nucor adopted the process first, obtaining the rights from SMS by signing a nonexclusive contract with an additional technology flowback clause. Nucor's investment in the Crawfordsville plant represented approximately five times the company's 1987 net earnings and virtually equaled the stockholders' total equity in the company that year!

By 1997 Nucor had built two more mini-mills (in Hickman, Arkansas, and Charleston, South Carolina), both using the thin-slab casting process to produce flat-rolled sheet steel. The first competitive facility to make thin-slab-cast flat-rolled steel did not appear until 1995—eight years after Nucor's pioneering effort.

In 1987 Nucor's pursuit of technical excellence had led to the establishment of Nucor-Yamato Steel Company, a facility jointly owned by Nucor and Yamato Kogyo of Japan, which operated a structural steel mill in the United States that used its own continuous-casting technology.

Several years later, Nucor became concerned that mini-mill start-ups by several other companies would significantly increase the price of scrap steel or even cause scrap to become wholly unavailable. To guard against that possibility, the company established a plant in Trinidad, West Indies, in 1994. This plant successfully adopted a commercially unproven technology to make iron carbide, a substitute for scrap steel, which it supplied to the flat-rolled plant in Crawfordsville. However, in 1998 Nucor concluded that the iron carbide supplied by the Trinidad facility was uneconomical and closed the facility.

In addition to developing new plants, Nucor was committed to continuously modernizing its existing ones. Its philosophy was to build or rebuild at least one mill every year, in the latter case rebuilding entirely rather than just "put(ting) new pipes in parts of the old mill." In building new plants or rebuilding existing plants, the company did not rely on outside contractors, but instead handed the responsibility for design and construction management to a small group of engineers selected from existing Nucor facilities. For example, when it decided to add a second rolling mill at Nucor-Yamato in Blytheville, Arkansas, it assigned the meltshop supervisor in the first mill to coordinate the design and construction of the meltshop in the second mill. As Greg Mathis,
this meltshop supervisor, observed, "They put it all on my shoulders—the planning, the engineering, the contracting, the budgets. . . . I mean, we are talking about an investment of millions of dollars and I was accountable for all of it. It worked out fine . . . because my team and I knew what not to do from our experience running the meltshop on the first line."\(^\text{18}\)

Further, the actual construction of the plant was done by workers from the local area, who were aware that they would subsequently be recruited to operate the mills as well.

Iverson explained the rationale behind this approach to technology management: "We accept that roughly half of our investments in new ideas and new technologies will yield no usable results. . . . Every Nucor plant has its little storehouse of equipment that was bought, tried, and discarded. The knowledge we gather from our so-called 'failures' may lead us to spectacular success. . . . We let employees invest in technology. People in the mills identify and select most of the technology. Technology is advancing too quickly on too many fronts. No small group of executives can possibly keep fully informed."\(^\text{19}\)

In 1991 President Bush awarded Iverson the National Medal of Technology, America's highest award for technological achievement and innovation.

**Future**

For Iverson, the national medal was not a culmination but a signpost along the way. "Our biggest challenge (in the future) is to continue to grow the company at 15–20 percent per year, and to keep earnings parallel with this growth," he said. "Business is like a flower: You either grow or die."\(^\text{20}\)

**Questions**

1. Why has Nucor performed so well?
   a. Is Nucor's industry the answer?
   b. Is it the “mini-mill” effect?
   c. Is it market power (scale economies)?
   d. Is it a distribution channel advantage?
   e. Is it a raw material advantage?
   f. Is it a technology advantage?
   g. Is it a location advantage?
   h. Is it the result of an entrenched brand name?
   i. Is it Nucor’s choice of a unique strategy?
   j. Is it Nucor’s ability to execute its strategy?

2. What are the most important aspects of Nucor’s overall approach to organization and control that help explain why this company is so successful? How well do Nucor’s organization and control mechanisms fit the company’s strategic requirements?

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\(^{18}\)Ibid., pp. 89–90.

\(^{19}\)Ibid., pp. 5, 96, 150.

\(^{20}\)"The Art of Keeping Management Simple," Interview with Ken Iverson.
3. A crucial element of Nucor's success is its ability to mobilize two types of knowledge: plant construction and start-up know-how; and manufacturing process know-how. What mechanisms does Nucor employ to manage knowledge effectively?
   a. What mechanisms help the company accumulate these two types of knowledge in individual plants?
   b. What mechanisms exist within the company to facilitate sharing this knowledge among its 25 plants?
   c. How does Nucor transfer knowledge to a greenfield, start-up operation?
4. Nucor repeatedly has demonstrated the ability to be a successful first mover in the adoption of new technology. How does the company's approach to organization and control contribute to this first-mover advantage?
5. Would you like to work for Nucor?
6. Why have competitors not been able to imitate Nucor's performance so far?