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When strategic planning arrived on the scene in the mid-1960s, corporate leaders embraced it as “the one best way” to devise and implement strategies that would enhance the competitiveness of each business unit. True to the scientific management pioneered by Frederick Taylor, this one best way involved separating thinking from doing and creating a new function staffed by specialists: strategic planners. Planning systems were expected to produce the best strategies as well as step-by-step instructions for carrying out those strategies so that the doers, the managers of businesses, could not get them wrong. As we now know, planning has not exactly worked out that way.

While certainly not dead, strategic planning has long since fallen from its pedestal. But even now, few people fully understand the reason: strategic planning is not strategic thinking. Indeed, strategic planning often spoils strategic thinking, causing managers to confuse real vision with the manipulation of numbers. And this confusion lies at the heart of the issue: the most successful strategies are visions, not plans.

Strategic planning, as it has been practiced, has really been strategic programming, the articulation and elaboration of strategies, or visions, that already exist. When companies understand the difference between planning and strategic thinking, they can get back to what the strategy-making process should be: capturing what the manager learns from all sources (both the soft insights from his or her personal experiences and the experiences of others throughout the organization and the hard data from market research and the like) and then synthesizing that learning into a vision of the direction that the business should pursue.
Organizations disenchanted with strategic planning should not get rid of their planners or conclude that there is no need for programming. Rather, organizations should transform the conventional planning job. Planners should make their contribution around the strategy-making process rather than inside it. They should supply the formal analyses or hard data that strategic thinking requires, as long as they do it to broaden the consideration of issues rather than to discover the one right answer. They should act as catalysts who support strategy making by aiding and encouraging managers to think strategically. And, finally, they can be programmers of a strategy, helping to specify the series of concrete steps needed to carry out the vision.

By redefining the planner’s job, companies will acknowledge the difference between planning and strategic thinking. Planning has always been about analysis—about breaking down a goal or set of intentions into steps, formalizing those steps so that they can be implemented almost automatically, and articulating the anticipated consequences or results of each step. "I favour a set of analytical techniques for developing strategy," Michael Porter, probably the most widely read writer on strategy, wrote in the Economist. 1

The label “strategic planning” has been applied to all kinds of activities, such as going off to an informal retreat in the mountains to talk about strategy. But call that activity “planning,” let conventional planners organize it, and watch how quickly the event becomes formalized (mission statements in the morning, assessment of corporate strengths and weaknesses in the afternoon, strategies carefully articulated by 5 P.M.).

Strategic thinking, in contrast, is about synthesis. It involves intuition and creativity. The outcome of strategic thinking is an integrated perspective of the enterprise, a not-too-precisely articulated vision of direction, such as the vision of Jim Clark, the founder of Silicon Graphics, that three-dimensional visual computing is the way to make computers easier to use.

Such strategies often cannot be developed on schedule and immaculately conceived. They must be free to appear at any time and at any place in the organization, typically through messy processes of informal learning that must necessarily be carried out by people at various levels who are deeply involved with the specific issues at hand.

Call an informal retreat “planning,” let conventional planners organize it, and watch how quickly the event becomes formalized.
Formal planning, by its very analytical nature, has been and always will be dependent on the preservation and rearrangement of established categories—the existing levels of strategy (corporate, business, functional), the established types of products (defined as “strategic business units”), overlaid on the current units of structure (divisions, departments, etc.). But real strategic change requires not merely rearranging the established categories, but inventing new ones.

Search all those strategic planning diagrams, all those interconnected boxes that supposedly give you strategies, and nowhere will you find a single one that explains the creative act of synthesizing experiences into a novel strategy. Take the example of the Polaroid camera. One day in 1943, Edwin Land’s three-year-old daughter asked why she could not immediately see the picture he had just taken of her. Within an hour, this scientist conceived the camera that would transform his company. In other words, Land’s vision was the synthesis of the insight evoked by his daughter’s question and his vast technical knowledge.

Strategy making needs to function beyond the boxes, to encourage the informal learning that produces new perspectives and new combinations. As the saying goes, life is larger than our categories. Planning’s failure to transcend the categories explains why it has discouraged serious organizational change. This failure is why formal planning has promoted strategies that are extrapolated from the past or copied from others. Strategic planning has not only never amounted to strategic thinking but has, in fact, often impeded it. Once managers understand this, they can avoid other costly misadventures caused by applying formal technique, without judgment and intuition, to problem solving.

The Pitfalls of Planning

If you ask conventional planners what went wrong, they will inevitably point to a series of pitfalls for which they, of course, are not responsible. Planners would have people believe that planning fails when it does not receive the support it deserves from top management or when it encounters resistance to change in the organization. But surely no technique ever received more top management support than strategic planning did in its heyday. Strategic planning itself has discouraged the commitment of top managers and has tended to create the very climates its proponents have found so uncongenial to its practice.

The problem is that planning represents a calculating style of management, not a committing style. Managers with a committing style engage people in a journey. They lead in such a way that everyone on the journey helps shape its course. As a result, enthusiasm inevitably builds along the way. Those with a calculating style fix on a destination and calculate what the group must do to get there, with no concern for the members’ preferences. But calculated strategies have no value in and of themselves; to paraphrase the words of sociologist Philip Selznick, strategies take on value only as committed people infuse them with energy.2

No matter how much lip service has been paid to the contrary, the very purpose of those who promote conventional strategic planning is to reduce the power of management over strategy making. George Steiner declared, “If an organization is managed by intuitive geniuses there is no need for formal strategic planning. But how many organizations are so blessed? And, if they are, how many times are intuitives correct in their judgments?”3 Peter Lorange, who is equally prominent in the field, stated, “The CEO should typically not be deeply involved” in the process, but rather be “the designer of [it] in a general sense.”4 How can we expect top managers to be committed to a process that depicts them in this way, especially when its failures to deliver on its promises have become so evident?

At lower levels in the hierarchy, the problem becomes more severe because planning has often been used to exercise blatant control over business man-
agers. No wonder so many middle managers have welcomed the overthrow of strategic planning. All they wanted was a commitment to their own business strategies without having to fight the planners to get it!

The Fallacies of Strategic Planning

An expert has been defined as someone who avoids the many pitfalls on his or her way to the grand fallacy. For strategic planning, the grand fallacy is this: because analysis encompasses synthesis, strategic planning is strategy making. This fallacy itself rests on three fallacious assumptions: that prediction is possible, that strategists can be detached from the subjects of their strategies, and, above all, that the strategy-making process can be formalized.

The Fallacy of Prediction. According to the premises of strategic planning, the world is supposed to hold still while a plan is being developed and then stay on the predicted course while that plan is being implemented. How else to explain those lockstep schedules that have strategies appearing on the first of June, to be approved by the board of directors on the fifteenth? One can just picture competitors waiting for the board's approval, especially if they are Japanese and don't believe in such planning to begin with.

In 1965, Igor Ansoff wrote in his influential book Corporate Strategy, "We shall refer to the period for which the firm is able to construct forecasts with an accuracy of, say, plus or minus 20 percent as the planning horizon of the firm." What an extraordinary statement! How in the world can any company know the period for which it can forecast with a given accuracy?

The evidence, in fact, points to the contrary. While certain repetitive patterns, such as seasons, may be predictable, the forecasting of discontinuities, such as a technological innovation or a price increase, is virtually impossible. Of course, some people sometimes "see" such things coming. That is why we call them "visionaries." But they create their strategies in much more personalized and intuitive ways.

The Fallacy of Detachment. In her book Institutionalizing Innovation, Mariann Jelinek developed the interesting point that strategic planning is to the executive suite what Taylor's work-study methods were to the factory floor—a way to circumvent human idiosyncrasies in order to systematize behavior. "It is through administrative systems that planning and policy are made possible, because the systems capture knowledge about the task." Thus "true management by exception, and true policy direction are now possible, solely because management is no longer wholly immersed in the details of the task itself." According to this viewpoint, if the system does the thinking, then strategies must be detached from operations (or "tactics"), formulation from implementation, thinkers from doers, and so strategists from the objects of their strategies.

The trick, of course, is to get the relevant information up there, so that senior managers on high can be informed about the details down below without having to immerse themselves in them. Planners' favored solution has been "hard data," quantitative aggregates of the detailed "facts" about the organization and its context, neatly packaged and regularly delivered. With such information, senior managers need never leave their executive suites or planners their staff offices. Together they can formulate—work with their heads—so that the hands can get on with implementation.

All of this is dangerously fallacious. Innovation has never been institutionalized. Systems have never been able to reproduce the synthesis created by the genius entrepreneur or even the ordinary competent strategist, and they likely never will.

Ironically, strategic planning has missed one of Taylor's most important messages: work processes must be fully understood before they can be formally programmed. But where in the planning literature is there a shred of evidence that anyone has bothered to find out how managers make strategies? Instead many practitioners and theorists have wrongly assumed that strategic planning, strategic thinking, and strategy making are all synonymous, at least in best practice.

The problem with the hard data that are supposed to inform the senior manager is that they can have a decidedly soft underbelly. Such data take time to harden, which often makes them late. They tend to
lack richness; for example, they often exclude the qualitative. And they tend to be overly aggregated, missing important nuances. These are the reasons managers who rely on formalized information, such as market-research reports or accounting statements in business and opinion polls in government, tend to be detached in more ways than one. Study after study has shown that the most effective managers rely on some of the softest forms of information, including gossip, hearsay, and various other intangible scraps of information.

My research and that of many others demonstrates that strategy making is an immensely complex process, which involves the most sophisticated, subtle, and, at times, subconscious elements of human thinking.

A strategy can be deliberate. It can realize the specific intentions of senior management, for example, to attack and conquer a new market. But a strategy can also be emergent, meaning that a convergent pattern has formed among the different actions taken by the organization one at a time. In other words, strategies can develop inadvertently, without the conscious intention of senior management, often through a process of learning. A salesperson convinces a different kind of customer to try a product. Other salespeople follow up with their customers, and the next thing management knows, its products have penetrated a new market. When it takes the form of fits and starts, discoveries based on serendipitous events, and the recognition of unexpected patterns, learning inevitably plays a, if not the, crucial role in the development of novel strategies.

Contrary to what traditional planning would have us believe, deliberate strategies are not necessarily good, nor are emergent strategies necessarily bad. I believe that all viable strategies have emergent and deliberate qualities, since all must combine some degree of flexible learning with some degree of cerebral control.

Vision is unavailable to those who cannot “see” with their own eyes. Real strategists get their hands dirty digging for ideas, and real strategies are built from the occasional nuggets they uncover. These are not people who abstract themselves from the daily details; they are the ones who immerse themselves in them while being able to abstract the strategic messages from them. The big picture is painted with little strokes.

The Fallacy of Formalization. The failure of strategic planning is the failure of systems to do better than, or even nearly as well as, human beings. Formal systems, mechanical or otherwise, have offered no improved means of dealing with the information overload of human brains; indeed, they have often made matters worse. All the promises about artificial intelligence, expert systems, and the like improving if not replacing human intuition never materialized at the strategy level. Formal systems could certainly process more information, at least hard information. But they could never internalize it, comprehend it, synthesize it. In a literal sense, planning could not learn.

Formalization implies a rational sequence, from analysis through administrative procedure to eventual action. But strategy making as a learning process can proceed in the other direction too. We think in order to act, to be sure, but we also act in order to think. We try things, and those experiments that work converge gradually into viable patterns that become strategies. This is the very essence of strategy making as a learning process.

Formal procedures will never be able to forecast discontinuities, inform detached managers, or create novel strategies. Far from providing strategies, planning could not proceed without their prior existence. All this time, therefore, strategic planning has been misnamed. It should have been called strategic programming, distinguished from other useful things that planners can do, and promoted as a process to formalize, when necessary, the conse-
quences of strategies that have already been developed. In short, we should drop the label “strategic planning” altogether.

Planning, Plans, and Planners

Two important messages have been conveyed through all the difficulties encountered by strategic planning. But only one of them has been widely accepted in the planning community: business-unit managers must take full and effective charge of the strategy-making process. The lesson that has still not been accepted is that managers will never be able to take charge through a formalized process. What then can be the roles for planning, for plans, and for planners in organizations?

Planners and managers have different advantages. Planners lack managers’ authority to make commitments, and, more important, managers’ access to soft information critical to strategy making. But because of their time pressures, managers tend to favor action over reflection and the oral over the written, which can cause them to overlook important analytical information. Strategies cannot be created by analysis, but their development can be helped by it.

Planners, on the other hand, have the time and, most important, the inclination to analyze. They have critical roles to play alongside line managers, but not as conventionally conceived. They should work in the spirit of what I like to call a “soft analyst,” whose intent is to pose the right questions rather than to find the right answers. That way, complex issues get opened up to thoughtful consideration instead of being closed down prematurely by snap decisions.

Planning as Strategic Programming. Planning cannot generate strategies. But given viable strategies, it can program them; it can make them operational. For one supermarket chain that a colleague and I studied, planning was the articulation, justification, and elaboration of the strategic vision that the company’s leader already had. Planning was not deciding to expand into shopping centers, but explaining to what extent and when, with how many stores, and on what schedule.

An appropriate image for the planner might be that person left behind in a meeting, together with the chief executive, after everyone else has departed. All of the strategic decisions that were made are symbolically strewn about the table. The CEO turns to the planner and says, “There they all are, clean them up. Package them neatly so that we can tell everyone about them and get things going.” In more formal language, strategic programming involves three steps: codification, elaboration, and conversion of strategies.

Codification means clarifying and expressing the strategies in terms sufficiently clear to render them formally operational, so that their consequences can be worked out in detail. This requires a good deal of interpretation and careful attention to what might be lost in articulation: nuance, subtlety, qualification. A broad vision, like capturing the market for a new technology, is one thing, but a specific plan—35% market share, focusing on the high end—is quite another.

Elaboration means breaking down the codified strategies into substrategies and ad hoc programs as well as overall action plans specifying what must be done to realize each strategy: build four new factories and hire 200 new workers, for example.

And conversion means considering the effects of the changes on the organization’s operations—effects on budgets and performance controls, for example. Here a kind of great divide must be crossed from the nonroutine world of strategies and programs to the routine world of budgets and objectives. Objectives have to be restated and budgets reworked, and policies and standard operating procedures reconsidered, to take into account the consequences of the specific changes.

One point must be emphasized. Strategic programming is not “the one best way” or even necessarily a good way. Managers don’t always need to program their strategies formally. Sometimes they must leave their strategies flexible, as broad visions, to adapt to a changing environment. Only when an organization is sure of the relative stability of its environment and is in need of the tight coordination of a myriad of intricate operations (as is typically the case of airlines with their needs for complicated scheduling), does such strategic programming make sense.

Plans as Tools to Communicate and Control. Why program strategy? The most obvious reason is...
for coordination, to ensure that everyone in the organization pulls in the same direction. Plans in the form of programs—schedules, budgets, and so on—can be prime media to communicate strategic intentions and to control the individual pursuit of them, in so far, of course, as common direction is considered to be more important than individual discretion.

Plans can also be used to gain the tangible as well as moral support of influential outsiders. Written plans inform financiers, suppliers, government agencies, and others about the intentions of the organization so that these groups can help it achieve its plans.

**Planners as Strategy Finders.** As noted, some of the most important strategies in organizations emerge without the intention or sometimes even the awareness of top managers. Fully exploiting these strategies, though, often requires that they be recognized and then broadened in their impact, like taking a new use for a product accidentally discovered by a salesperson and turning it into a major new business. It is obviously the responsibility of managers to discover and anoint these strategies. But planners can assist managers in finding these fledgling strategies in their organizations' activities or in those of competing organizations.

Planners can snoop around places they might not normally visit to find patterns amid the noise of failed experiments, seemingly random activities, and messy learning. They can discover new ways of doing or perceiving things, for example, spotting newly uncovered markets and understanding their implied new products.

**Planners as Analysts.** In-depth examinations of what planners actually do suggests that the effective ones spend a good deal of time not so much doing or even encouraging planning as carrying out analyses of specific issues. Planners are obvious candidates for the job of studying the hard data and ensuring that managers consider the results in the strategy-making process.

Much of this analysis will necessarily be quick and dirty, that is, in the time frame and on the ad hoc basis required by managers. It may include industry or competitive analyses as well as internal studies, including the use of computer models to analyze trends in the organization.

But some of the best models that planners can offer managers are simply alternative conceptual interpretations of their world, such as a new way to view the organization’s distribution system. As Arie de Geus, the one-time head of planning at Royal Dutch/Shell, wrote in his HBR article “Planning as Learning” (March-April 1988), “The real purpose of effective planning is not to make plans but to change the...mental models that...decision makers carry in their heads.”

**Planners as Catalysts.** The planning literature has long promoted the role of catalyst for the planner, but not as I will describe it here. It is not planning that planners should be urging on their organizations so much as any form of behavior that can lead to effective performance in a given situation.

An appropriate image for the planner is the person left behind in a meeting, together with the CEO, who helps package the strategic decisions that are symbolically strewn about the table.
Sometimes that may even mean criticizing formal planning itself. When they act as catalysts, planners do not enter the black box of strategy making; they ensure that the box is occupied with active line managers. In other words, they encourage managers to think about the future in creative ways.

Such planners see their job as getting others to question conventional wisdom and especially helping people out of conceptual ruts (which managers with long experience in stable strategies are apt to dig themselves into). To do their jobs, they may have to use provocation or shock tactics like raising difficult questions and challenging conventional assumptions.

**Left- and Right-Handed Planners**

Two very different kinds of people populate the planning function. One is an analytic thinker, who is closer to the conventional image of the planner. He or she is dedicated to bringing order to the organization. Above all, this person programs intended strategies and sees to it that they are communicated clearly. He or she also carries out analytic studies to ensure consideration of the necessary hard data and carefully scrutinizes strategies intended for implementation. We might label him or her the right-handed planner.

The second is less conventional but present nonetheless in many organizations. This planner is a creative thinker who seeks to open up the strategy-making process. As a “soft analyst,” this planner is prepared to conduct more quick and dirty studies. He or she likes to find strategies in strange places and to encourage others to think strategically. This person is somewhat more inclined toward the intuitive processes identified with the brain’s right hemisphere. We might call him or her the left-handed planner.

Many organizations need both types, and it is top management’s job to ensure that it has them in appropriate proportions. Organizations need people to bring order to the messy world of management as well as challenge the conventions that managers and especially their organizations develop. Some organizations (those big, machine-like bureaucracies concerned with mass production) may favor the right-handed planners, while others (the loose, flexible “adhocracies,” or project organizations) may favor the left-handed ones. But both kinds of organization need both types of planners, if only to offset their natural tendencies. And, of course, some organizations, like those highly professionalized hospitals and educational systems that have been forced to waste so much time doing ill-conceived strategic planning, may prefer to have very few of either!

**The Formalization Edge**

We human beings seem predisposed to formalize our behavior. But we must be careful not to go over the formalization edge. No doubt we must formalize to do many of the things we wish to in modern society. That is why we have organizations. But the experiences of what has been labeled strategic planning teach us that there are limits. These limits must be understood, especially for complex and creative activities like strategy making.

Strategy making is not an isolated process. It does not happen just because a meeting is held with that label. To the contrary, strategy making is a process interwoven with all that it takes to manage an organization. Systems do not think, and when they are used for more than the facilitation of human thinking, they can prevent thinking.

Three decades of experience with strategic planning have taught us about the need to loosen up the process of strategy making rather than trying to seal it off by arbitrary formalization. Through all the false starts and excessive rhetoric, we have learned what planning is not and what it cannot do. But we have also learned what planning is and what it can do, and perhaps of greater use, what planners themselves can do beyond planning. We have also learned how the literature of management can get carried away and, more important, about the appropriate place for analysis in organizations.

The story of strategic planning, in other words, has taught us not only about formal technique itself but also about how organizations function and how managers do and don’t cope with that functioning. Most significant, it has told us something about how we think as human beings, and that we sometimes stop thinking.

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