



accenture consulting

Unlock the business
potential in your data:
Gain insights. Take action.

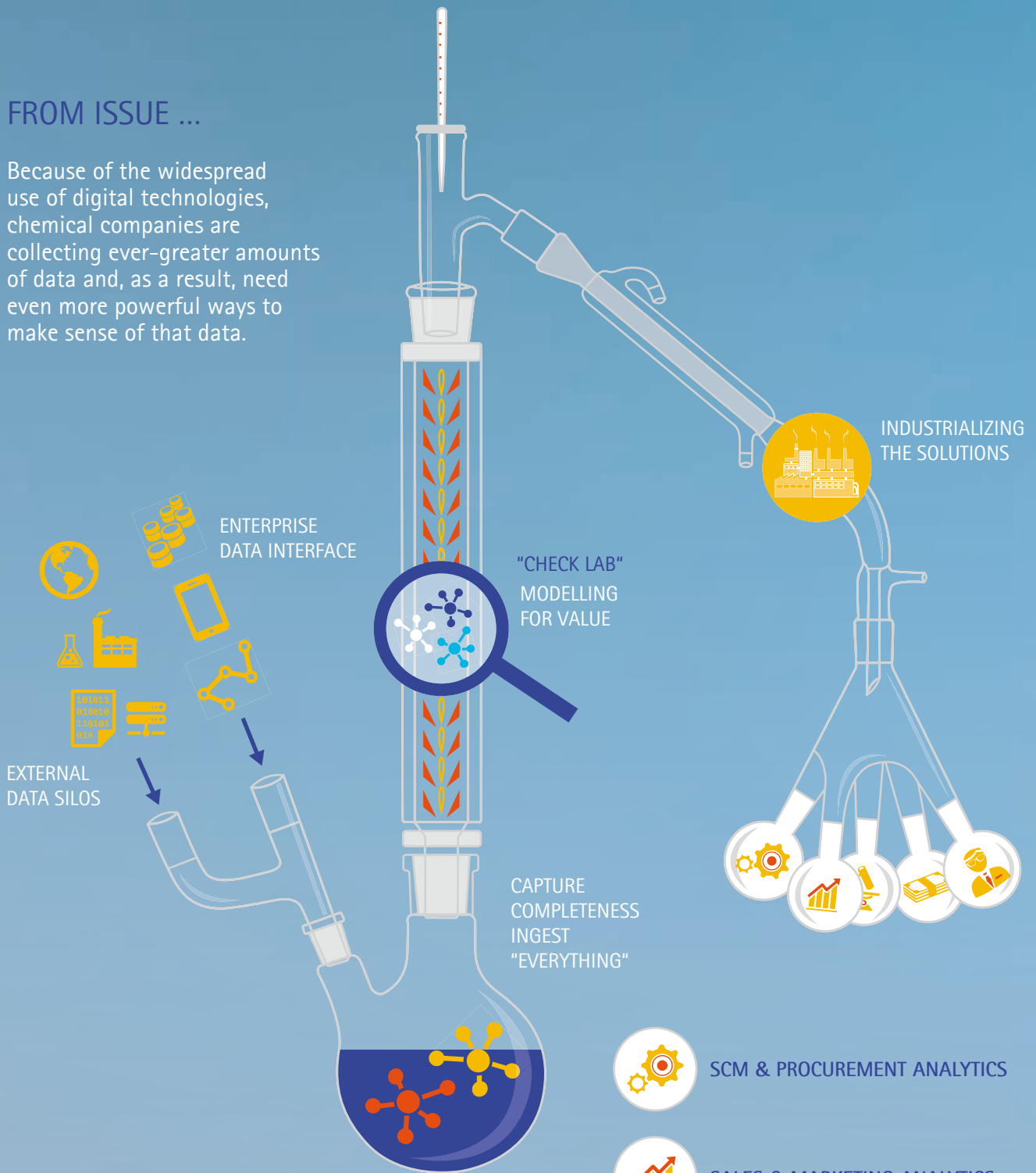
High performance. Delivered.

Business Analytics.
Solutions for the Chemical Industry.

Strategy | Consulting | Digital | Technology | Operations

FROM ISSUE ...

Because of the widespread use of digital technologies, chemical companies are collecting ever-greater amounts of data and, as a result, need even more powerful ways to make sense of that data.



... TO OUTCOME

Accenture is building analytics solutions to support better decision making resulting in higher business performance e.g. driven by higher margins, reduced costs, and improved risk management.



SCM & PROCUREMENT ANALYTICS



SALES & MARKETING ANALYTICS



R&D AND MANUFACTURING ANALYTICS



FINANCE & ACCOUNTING ANALYTICS



TALENT & HR ANALYTICS

We are committed to transform the relationship between business and data to support value creation



ACCENTURE MANAGEMENT CONSULTING

2,500+
CHEMICAL PRACTITIONERS

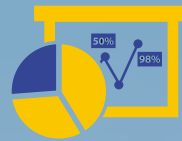


70 CLIENTS FROM
FORTUNE GLOBAL 100



ACCENTURE ANALYTICS INNOVATION AND DELIVERY CENTERS

900+
DATA SCIENTISTS AND
MANAGEMENT SCIENTISTS



5 ADVANCED ANALYTICS
CENTERS - GLOBALLY



ACCENTURE ALLIANCE NETWORK INCLUDING TECHNOLOGY AND RESEARCH PARTNERS

TECHNOLOGY ALLIANCES WITH
100+
MARKET LEADERS



425+
PATENTS AND PATENTS PENDING FOR DATA
AND ANALYTICS-RELATED CONTENT

Winners in the digital age know how to capitalize on the value of data. For example a global chemical company reduced working capital by 10% through the implementation of advanced inventory analytics solutions, an integrated oil and gas company implemented predictive analytics for maintenance and process-control in production across its liquefied natural gas (LNG) assets to achieve \$300 million cost savings and a global agrochemical company implemented churn analytics to develop a customer retention strategy by identifying customer characteristics that indicate churn behavior.

Chemical industry executives need to understand how business analytics opens up new opportunities. Accenture is providing proven concepts for chemical companies to allow for rapid data-driven benefit generation.

However, from our experience, sustainable value creation can only be unlocked by following the three data-to-value steps:

INGEST "EVERYTHING"

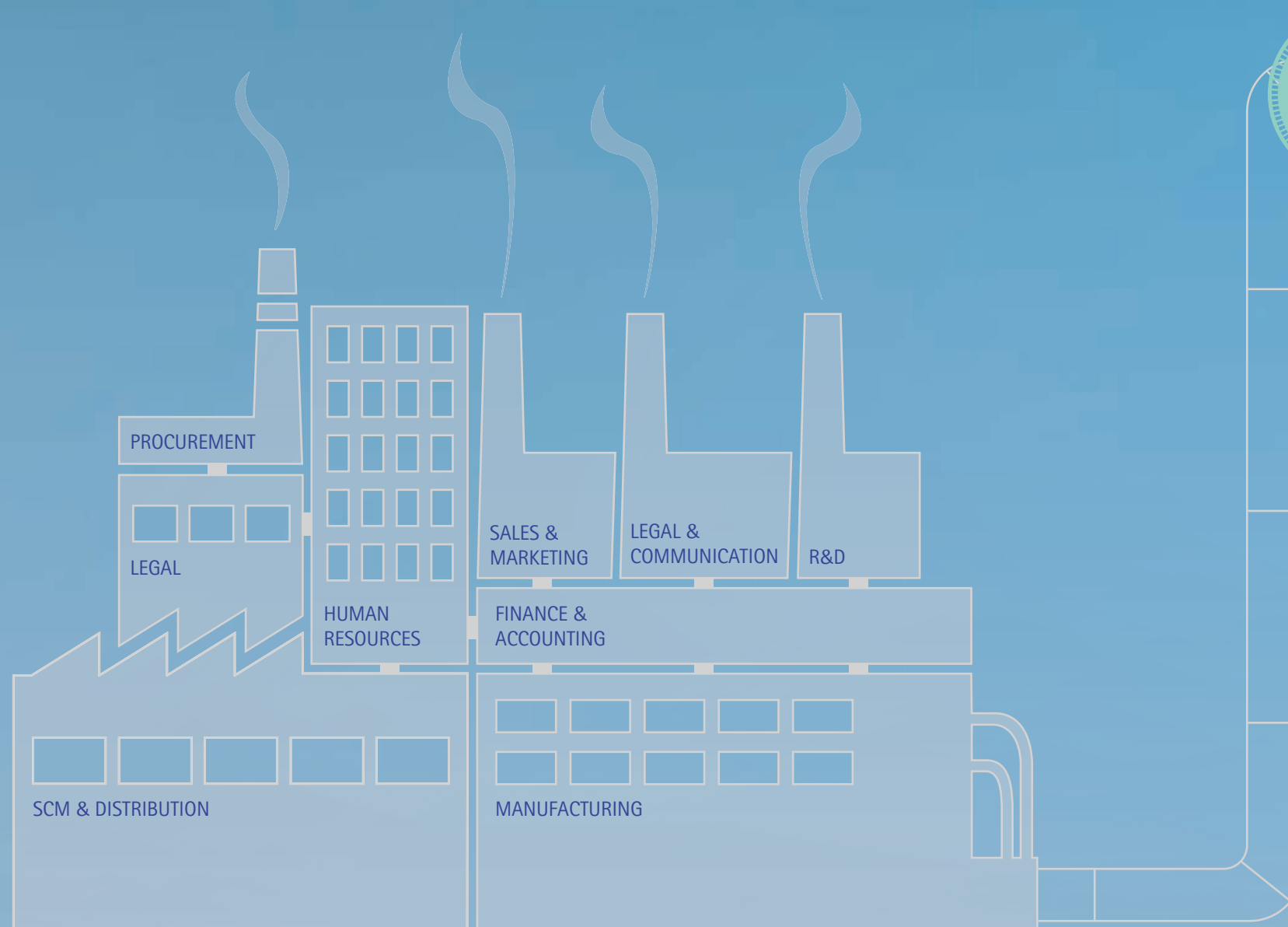
Successful leaders within the chemical industry generate business value by moving data from various sources into a central information repository.

In today's world this includes external data, data at scale and pace and structurally different and covers documents, research studies, video and satellite footage, sensory and 3D data. The information captured is utilized to generate insights resulting in better decision making along the value chain from procurement, manufacturing to logistics and marketing.

MODELLING FOR VALUE

The impact of business analytics will be especially significant when data from different business disciplines can be merged together to evaluate linkages and cross-functional correlations. Typically business units are held accountable for profit and loss statements, even if they can only influence a fraction of the overall performance generated. An analytics business case will identify all elements influencing value generation and bridge the gap between company functions to highlight corporate value generation.

Data scientists in conjunction with business analysts model the data to innovate and unlock hidden value. For example Accenture is supporting a global chemical company with analytics scientists (on- and offshore), industry experts, functional and technology experts to define descriptive, predictive and prescriptive analytic solutions providing



insight into supply chain and business functions to constantly raise the bar of operational excellence.

INDUSTRIALIZING THE SOLUTIONS

A new approach to the digital analytics journey is Accenture's offering of Analytics-as-a-service, carrying out the analytics services for our clients, distilling the raw data, defining the value models and delivering the yield back to the client.

This enables an easy scale-up and sustainable delivery of new processes and operations. To achieve this, Accenture has created solutions together with our market leading partners to transform our clients' use of data, enabling big data analytics for example in Supply Chain Management, Predictive Asset Maintenance, Financial Analytics and Product Lifecycle Management.

And we are constantly extending our capabilities and services according to our clients' needs and market conditions.

Four Accenture solutions highlight this development:

CONNECTED WORKER

By leveraging mobile and analytics solutions, Accenture's Connected Worker helps to capture, analyze and communicate critical business information to and from workers. It improves operational performance by supporting fact-based decisions in near real-time.



Improve productivity by up to **30%**

The Connected Worker provides:

- Enhanced work planning, scheduling & execution for workforce

- Improved worker and back office productivity
- Increased management time in the field instead of in front of computer
- Better information at the hands of the supervisors in front of the computer
- Over the shoulder coaching to workforce
- Reduced safety and environment incidents

TRANSACTION COMPLIANCE

The Accenture Transaction Compliance solution is specifically designed to prevent errors and overpayments. The tool monitors purchasing and payables transactions using sophisticated algorithms.

This enables companies to move from a cyclical, post-payment audit routine to a prevention-focused environment where errors are identified and corrected before payment is made.



Reduce duplicate payments by up to

100%

The Transaction Compliance solution achieves:

- Improved ongoing vendor analysis and relationships
- Reduced duplicate payments
- Maximized capture of allowances and discounts
- Minimized complexity of post-payment audits
- Reduced time and cost of recovering lost profits and incorrect payments

CONTROL TOWER

Accenture's Control Tower helps clients continuously monitor the execution of operations activities, provides visibility to performance metrics, performs 'what if'

analysis, and dynamically responds to changes. Accenture brings the full suite of capabilities required to design and build a Supply Chain Control Tower; including technology, people, and processes; as well as solutions and assets.



Increase forecast accuracy by

15-20%

The Control Tower delivers:

- Integrated framework of real time visibility, rapid response, and process execution
- Set of capabilities to combat rising volatility, complexity, and uncertainty
- Integrated supply chain processes and tools
- Improvements in costs, inventory, quality, customer service, and asset utilization

ACCENTURE INSIGHTS PLATFORM (AIP)

The Accenture Insights Platform is an end-to-end analytics technology solution designed to simplify data analysis and deliver real-time, actionable insights to businesses. The platform is comprised of an integrated suite of leading technologies, consumption-based commercial arrangements, and enterprise support. It is a flexible, Analytics-as-a-service solution designed to help a range of business users, from the C-suite to data scientists, to make data-driven business decisions.



Provisioning within **24 hours**

The Accenture Insights Platform provides:

- A pre-configured, industrialized end-to-end architecture
- Initial actionable analytics insights generated in weeks

ABOUT ACCENTURE

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions—underpinned by the world's largest delivery network—Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With approximately 373,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at www.accenture.com.

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