

JOHN DOE

00 Elmwood Drive • Boston, Massachusetts 00000 • (123) 456-7890 • [johndoe@email.com](mailto: johndoe@email.com)

GLOBAL R&D EXECUTIVE

Electronic Metals ♦ Materials Science ♦ Nanotechnology ♦ Powder Metallurgy

Highly motivated, results-oriented professional with 20+ years' experience driving R&D strategy, product development and fast, profitable delivery of multi-million dollar metals products for electronic, industrial, diagnostic and aerospace use. Proven track record of establishing and leading global research teams across the U.S., Europe and Asia. Specialist in Intellectual Property protection strategies and systems. Exceptional network of industry colleagues and numerous patents and publications.

***Research Strategies • Intellectual Property Systems • Global Team Leadership
Product Innovation • Rapid Commercialization • Project Management***

SELECTED ACCOMPLISHMENTS

- Supported 120% sales growth to over \$300M in 5 years (without acquisition)—as a result of new products consistently totaling over 40% of annual sales.
- Built multi-national 7-site R&D department, including organizational structure, process and quality standards, research protocols, resource allocation and communications.
- Created competitive barriers and ensured long-term revenue flows by championing the need for and establishing Intellectual Property protection systems.
- Recipient (with colleagues) of the prestigious Otto Bayer Medal for research and innovation in the field of Sputtering Targets for Physical Vapor Deposition, 2006.
- Awarded, The Distinguished Service to Powder Metallurgy, American Powder Metallurgy Institute, 2005.

PROFESSIONAL EXPERIENCE

H.C STARCK, INC., Newton, Massachusetts • 1997–Present

International producer of metal and ceramic powders and special chemicals.

Global R&D Director (2004–Present)

Research Director (2001–2004)

R&D Manager (1998–2001)

Senior R&D Engineer (1997–1998)

Fast-track promotions through a series of increasingly responsible positions based on strong performance in R&D strategy, product innovation and commercialization, and project management. Lead high-profile research activities to accelerate sales growth in multiple market segments. Administer \$7M annual budget across 7 plants in the U.S. and Europe. Establish strategic priorities, allocate resources, and mentor and manage 33 engineers, researchers and support staff.

- Led technical efforts to achieve and maintain commercial leadership in Ta targets for physical vapor deposition for electronics industry.
- Pioneered development of Mo and MoTi targets for flat panel display, as well as anodes for X-ray generation.
- Invented a platform technology—Ta and Nb products from low oxygen powders.
- Established multi-national, multi-site R&D Department from scratch, including organizational structure, priorities, processes, quality standards and a web-based Stage Gate system for project management.

H.C. STARCK, INC., Selected Achievements, continued:

- Spearheaded the need for, and directed the development of an Intellectual Property protection system which included both offensive and defensive strategies.
- Developed R&D Programs at universities such as Brown, Case Western, Colorado School of Mines, North Carolina State and Northeastern, including legal agreements, costs and progress milestones.

CABOT CORPORATION, Boston, Massachusetts • 1981–1996

Global specialty chemicals and materials company.

Manager, Technical Support (1991–1996)

Manager, Metallurgical Engineering (1985–1988)

Senior Scientist (1984–1985)

Group Leader (1981–1984)

Provided progressive technical leadership for markets served by niobium and tantalum, including ballistics, superconductors, CPI, thin films, super alloys, capacitors and electronics. Managed diversified programs in powder metallurgy. Keen focus on rapid product commercialization, product quality and cost-reduction. Key contributor to senior management teams charged with operational improvement. Managed 3 departments with total of 41 employees.

- Reduced manufacturing costs by 10-15% by improving yields on niobium oxide and tantalum powder, improving test facilities, equipment and systems, and leading process improvement teams.
- Played key technical role in joint-venture partnerships with businesses and universities to refine/develop proprietary processes and gain customer exclusivity.
- Led senior management team to develop and implement Intellectual Property systems.
- Delivered powder metallurgy innovations, including method of wrought powder-metallurgy processing of corrosion and wear-resistant alloys, and pilot-scale feasibility of spray-forming corrosion and wear-resistant alloys.

EDUCATION**Doctorate in Materials Science**

NORTHWESTERN UNIVERSITY, Evanston, Illinois

Bachelor of Technology (Honors) in Metallurgical Engineering

INDIAN INSTITUTE of TECHNOLOGY, Kharagpur, India

U.S. PATENTS and PUBLICATIONS

Eighteen patents and 50+ publications. Lists available.

PROFESSIONAL AFFILIATIONS

Steering Committee, Massachusetts Nanotech Exchange, 2003–2006

Fellow, American Society for Materials International, 1998; **Chair**, Lehigh Valley Chapter, 1995–1996

Director, The Metallurgical Society, 1995–1998

American Powder Metallurgy Institute