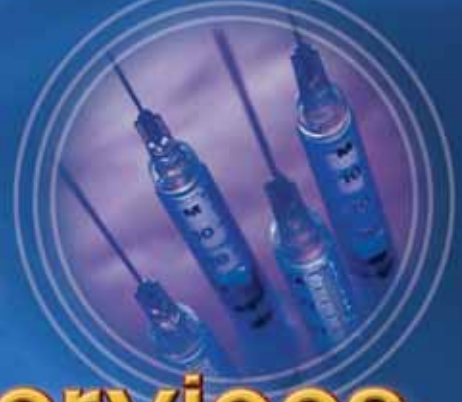


# Drug Delivery Information Services



**TECHNOLOGY  
CATALYSTS**

**T**echnology Catalysts International (TCI) has been providing consulting services to the pharmaceutical industry since 1979. During this period, TCI has developed a strong expertise in tracking and assessing technologies that impact the drug delivery business sector. We have worked with numerous companies from major multi-nationals to small start-ups, identifying unique licensable drug delivery technologies and assisting in business development strategies. TCI is a frequent advisor to many of the world's largest and most important pharmaceutical and drug delivery companies through our *Drug Delivery Information Services*.

New pharmacological and biological approaches to diseases are rapidly emerging, and are facing the challenge of delivering these new drugs to the body. As competition in the pharmaceutical industry increases, companies are looking to find novel drug delivery systems that will help maximize revenues and combat generic competitors.

- Drug delivery has become vital to the marketing efforts of big pharmaceutical, generic, and specialty pharmaceutical companies
- In many cases, these novel technologies provide precise, predictable drug-release rates resulting in greater efficacy, reduced toxicity, and better patient compliance
- Evaluating the research in this expanding interdisciplinary field and understanding commercial developments are essential to maintaining a competitive advantage

### **Drug Delivery Information Services**

Drug Delivery Information Services (DDIS) provide the customer with industry reports, market analysis, cutting edge developments, intellectual property information, value proposition, and complete contact information on literally hundreds of companies offering novel drug delivery technologies. To provide this information at your finger tips, TCI has created a unique database that offers online searching through our proprietary website along with other specialized consulting services. A subscription to DDIS offers unlimited access to TCI's vast repository of technical information and expert analysis around the clock. This user-friendly website allows the customer to access three separate databases which includes the Novel Drug Delivery Systems Online database, Drug Delivery Pipelines Online Database, and the Drug Delivery Deals Database. Through the secure web portal, clients are also able access our consulting services by sending HotLine questions or requesting a specialized Custom Study. The interactive consulting service allows the client to ask questions and receive rapid responses no matter what area of the world they are located.

A subscription to DDIS includes four components:

#### **1. Novel Drug Delivery Systems Online**

*Up-to-date drug delivery information on over 700 companies including market data, technologies available for license, company information, drug delivery pipelines, and drug delivery collaborations/acquisitions.*

#### **2. Custom Study**

*One in-depth research report that is completely customized for client based on their request and needs.*

#### **3. HotLine Consulting Service**

*Unlimited, rapid-response question and answer service for drug delivery information.*

#### **4. Weekly Newsletter**

*An exclusive electronic newsletter covering breaking drug delivery developments, newly-issued patents, notable drug delivery business deals, and the latest drug approvals.*

### **I. Novel Drug Delivery Systems Online**

TCI develops technology and business reviews on drug delivery systems that are available in the Novel Drug Delivery Systems (NDDS) Online database. NDDS Online offers comprehensive evaluations of emerging drug delivery technologies, new developments in drug delivery, market analysis and business information, competitor activities, and licensing/business opportunities from approximately 700 companies with novel drug delivery technologies. Information is gathered, compiled, and continuously updated globally by TCI staff members with backgrounds in pharmacology, biochemistry, medicine, business, and licensing.

NDDS Online covers the following technology sectors:

- Oral Drug Delivery Systems and Materials
- Delivery of Proteins and Peptides
- Parenteral and Implant Drug Delivery
- Transdermal and Topical Drug Delivery
- Transmucosal Drug Delivery
- Pulmonary and Nasal Drug Delivery

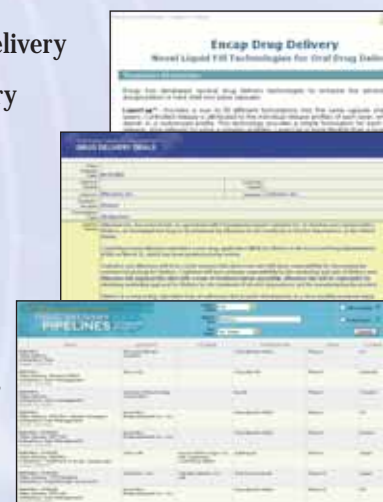
Also included are two proprietary databases:

#### **Drug Delivery Pipelines Online**

- Provides continuous online updates on drugs in development using novel drug delivery systems, and provides for easy word searching on the drug name, company name, formulation, or stage of development.

#### **Drug Delivery Deals Online**

- Tracks the important business transactions taking place in the drug delivery industry, including licenses, collaborations, merges, and acquisitions.



\*Actual website views from our network

## 2. Custom Study

A DDIS subscription includes one Custom Study, which is a single-client report focused on a specific technology or business-related aspect of drug delivery. The Custom Study may be initiated by the client seeking in-depth and/or historical information. Examples of study requests include:

- Market trends in novel injector devices and related newly-emerging technologies.
- The market landscape and pipeline for DDS drugs for osteoporosis and pain.
- Overview of dry powder inhalers including development, manufacturing, and business opportunities.
- Drug delivery technologies and products using antibodies and conjugated antibodies.
- University drug delivery technologies for OTC applications.
- Lifecycle management strategies utilizing drug delivery systems.

## 3. HotLine Service

One of the most valuable aspects of DDIS is the HotLine question and answer consulting service. Available through a secure client portal on TCI's website, the HotLine service allows access to TCI personnel around the world for the purpose of answering specific questions in the area of drug delivery. This rapid-response service answers clients' questions within two business days.

- Specific formulations.
- Technical information regarding drug delivery technology developments.
- Government regulatory requirements and legislative trends.
- Primary and secondary market data.
- Technology scouting.
- Contract research organizations (CRO) and manufacturers (CMO).
- Contacts for strategic alliances.
- Patent searching relating to a specific technology or company.
- Status of clinical programs.
- Attendance at conferences in North America, Europe, and Japan.

## 4. Weekly Newsletters

In addition to the aforementioned consulting services, TCI insures that clients are up to date on all new developments in the drug delivery industry. This is achieved via a weekly electronic newsletter focused on drug delivery and pharmaceuticals. The TCI newsletter covers breaking drug delivery developments, newly-issued patents, notable drug delivery business deals, and the latest drug approvals.

## Advantages

DDIS are valuable consulting resources. The combination of services enables quick access to accurate and extensive information on over 1200 drug delivery technologies including scientific, technical, and detailed business information. Additional advantages are:

- All online information is verified via personal interviews and is fully searchable.
- Customized, non-confidential data are gathered in real time.
- Technologies are evaluated in terms of technical potential, regulatory issues, and competitive advantages.
- Competitor research projects are identified and monitored.
- Technologies available for acquisition or partnership, including contact information and analysis, are included.
- International coverage includes countries in Eastern Europe and hard-to-get information from Asian countries.

DDIS are the only analytical and business intelligence services of its kind provided to pharmaceutical companies, developers of drug delivery technologies, and material suppliers worldwide. For more information, please contact the TCI professional nearest to you. Primary contacts are listed on the back of this brochure.

## About Technology Catalysts International

Technology Catalysts International (TCI) specializes in technology licensing, technology assessment, market and business intelligence, and structuring strategic alliances. The firm is headquartered in Falls Church, Virginia, a suburb of Washington, D.C. Our global network includes offices in Japan, China, Korea, India, Argentina, the United Kingdom, Germany, and the Czech Republic. Our research staff is comprised of professionals with backgrounds in a variety of technical disciplines, with additional expertise in international marketing, licensing, finance, and business development. TCI is skilled in providing clients with strategically important competitive information worldwide. The breadth of our experience assures clients of high quality, actionable information, and complete coverage on topics of interest. We provide consulting and technology transfer services to leading product developers and manufacturers worldwide. For more information on our services and capabilities, please visit TCI's website at: [www.technology-catalysts.com](http://www.technology-catalysts.com).





## Worldwide contacts for additional information

### World Headquarters

Ajay Rastogi  
Vice President  
Technology Catalysts International Corporation  
605 Park Avenue  
Falls Church, VA 22046, U.S.A.  
Telephone: (703) 531-0257  
Facsimile: (703) 237-0042  
E-mail: [arastogi@technology-catalysts.com](mailto:arastogi@technology-catalysts.com)  
Internet: [www.technology-catalysts.com](http://www.technology-catalysts.com)

Jared Hahn  
Manager, Drug Delivery/Pharmaceuticals  
Technology Catalysts International Corporation  
605 Park Avenue  
Falls Church, VA 22046, U.S.A.  
Telephone: (703) 531-0254  
Facsimile: (703) 237-0042  
E-mail: [jhahn@technology-catalysts.com](mailto:jhahn@technology-catalysts.com)  
Internet: [www.technology-catalysts.com](http://www.technology-catalysts.com)

### South America

Carlos A. Massone, M.D.  
President  
Qualia S.A.  
Jeronimo Salguero 2533, Piso 12 "A"  
1425, Buenos Aires, Argentina  
Telephone: 54 11 4807 3433  
Facsimile: 54 11 4807 2933  
E-mail: [carlos.massone@qualia.com.ar](mailto:carlos.massone@qualia.com.ar)  
Internet: [www.qualia.com.ar](http://www.qualia.com.ar)

### Europe

Graham L. Crawford, MSc  
Managing Director  
Technology Catalysts International UK  
Blacksmiths  
Clifton Road  
Newton Blossomville  
Bedford MK43 8AS, UK  
Telephone: 44 1234 881583  
Facsimile: 44 1234 881027  
E-mail: [gccrawford@technology-catalysts.com](mailto:gccrawford@technology-catalysts.com)

Gerhard Wallenwein, Ph.D.  
Managing Director  
Laves Chemie Consulting  
Koenigsteiner Strasse 80  
D-65812 Bad Soden, Germany  
Telephone: 49 6196 62057  
Facsimile: 49 6196 27837  
E-mail: [laveschemie@t-online.de](mailto:laveschemie@t-online.de)  
Internet: [www.laveschemie.de](http://www.laveschemie.de)

Jana Kuhnlova  
Executive Managing Director  
INVENTIA s.r.o.  
Politických veznu 7  
110 00 Praha 1, Czech Republic  
Telephone: 420 2 2224 7484  
Facsimile: 420 2 2421 8645  
E-mail: [kuhnlova@inventia.cz](mailto:kuhnlova@inventia.cz)  
Internet: [www.inventia.cz](http://www.inventia.cz)

Jiri Krepelka, Ph.D.  
General Manager  
TCI Generics Europe  
Politických veznu 7  
110 00 Praha 1, Czech Republic  
Telephone: 420 2 2224 7484  
Facsimile: 420 2 2421 8645  
E-mail: [jkrepelka@technology-catalysts.com](mailto:jkrepelka@technology-catalysts.com)

### Asia

Sansei Oka  
Japan Business Representative  
Technology Catalysts International  
4-18-11-101 Takada-Higashi  
Kohoku-Ku, Yokohama, 223-0065, Japan  
Telephone: 81 45 543 5578  
Facsimile: 81 45 543 5578  
Email: [soka@technology-catalysts.com](mailto:soka@technology-catalysts.com)

Mitsuhisa Tamura  
Senior Research Associate  
Sumika Technical Information Service Inc.  
15 Fl., Tokyo Sumitomo Twin Bldg. (East)  
27-1, Shinkawa 2-chome  
Chuo-ku, Tokyo 104-0033, Japan  
Telephone: 81 3 5543 5875  
Facsimile: 81 3 5543 5945  
E-mail: [tamura2@sc.sumitomo-chem.co.jp](mailto:tamura2@sc.sumitomo-chem.co.jp)  
Internet: [www.stis.co.jp](http://www.stis.co.jp)

G.R.S. Raghavan  
General Manager  
TCI India  
135 Jolly Maker Chamber II  
Nariman Point  
Mumbai 400 021, India  
Telephone: 91 22 6633 2727  
Facsimile: 91 22 6633 2728  
E-mail: [grsraghavan@technology-catalysts.com](mailto:grsraghavan@technology-catalysts.com)

R.K. Gupta  
Managing Director  
Industrial Development Services Limited  
M-1 Kanchenjunga  
18 Barakhamba Road  
New Delhi 110 001, India  
Telephone: 91 11 2 331 2287, 2 331 4714  
Facsimile: 91 11 2 373 8227  
E-mail: [ids@del2.vsnl.net.in](mailto:ids@del2.vsnl.net.in)  
Website: [www.ids-india.org](http://www.ids-india.org)

Yaping Shen, Ph.D.  
Senior Director, Business Development  
Xi'an Libang Pharmaceutical Co., Ltd.  
C/7, Chuangye Tower, Xi'an High-Tech Zone  
Xi'an, Shaanxi 710075, China  
Telephone: 86 29 88315776, (604) 821-1141  
Facsimile: 86 29 88323883, (604) 821-1175  
E-mail: [yshen@technology-catalysts.com](mailto:yshen@technology-catalysts.com)

Jungwoo Yi, MBA  
Managing Director  
BioPontis LLC  
Tahoe Business Center, #206  
1656-2, Seocho-Dong, Seocho-Gu  
Seoul 137-070, Korea  
Telephone: +82 2583 6711  
Facsimile: +82 2581 8405  
E-mail: [jungwoo.yi@biopontis.com](mailto:jungwoo.yi@biopontis.com)

Visit TCI's Website at: [www.technology-catalysts.com](http://www.technology-catalysts.com)