500%-750% Growth Curve for Fiber Reinforced Polymer (FRP) Composites Aiding Global Infrastructure Sectors -- Glass Fiber, Carbon Fiber, UPR/Vinyl Ester/Epoxy Resin Composites Big Business Investment Winners in Next Decade

FRP Composites have the potential to revolutionize parts of our infrastructure by replacing corroding steel and crumbling concrete, or deteriorating timbers.

Innovations in these materials have lead to structural systems that, for example, can allow for the replacements of bridges and decks swiftly. greatly cutting traffic delays.


Fastest growth is expected in North America, followed by Asia, Europe. FRP composites have less than 1% share of target applications. Glass fiber will see the greatest growth, followed by carbon fiber. Unsaturated polyester (UPR), vinyl ester, and epoxy resins will be big winners, too.

Steve Loud, publisher, says "The North American value of fabricated FRP composite structures for emerging infrastructure applications is estimated at $113 million today, growing to $847 million by 2010, (750% increase). The Worldwide market value grows from $268 million today to $1.4 billion by 2010 (525% growth)."

NOW SHIPPING, this 2001 report helps organizations in strategic planning, to see trends and quantify the best opportunities for FRP composites. It covers fast-growing segments of infrastructure -- building, civil engineering (e.g., highway bridges), ports/harbors, utilities, construction, concrete repair and strengthening. Use this comprehensive report to spot emerging competition or identify potential partners or alliances.

These markets are changing rapidly on a global basis. The deterioration of today's infrastructure due to corrosion, aging, weather, accident, under-design, and damaging events, as well as long delays caused by conventional technology installations, leads to opportunities for composites to displace conventional materials in "Infrastructure Renewal." Systems designs using FRP composites are altering who does what, with which materials and designs, with innovative installation methods, and environmentally beneficial non-corroding materials.

FRP composites now are recognized as offering the possibility of increasingly displacing large quantities of steel, concrete, aluminum, wood.

This 885-page report will interest material suppliers, processors, structure fabricators, owners, users, government agencies, academia, the investment community, and others.

Principal Investigators -- Steve Loud and Dr. Howard S. Kliger
Mr. Loud has over 30 years of experience in glass and carbon fibers and composites market development, having worked for Owens Corning for nearly 20 years in business unit management, along with Teledyne Ryan Aeronautical, Composite Market Reports, and now Composites Worldwide, Inc., publisher for over 24 years of composites-related newsletters. His independent viewpoint is that of a profit center manager and industry analyst. Mr. Loud is an associate member of ACI-440, has been a member of SAMPE since 1974, was just inducted as a Fellow of SAMPE, and he has conducted numerous market surveys.

Dr. Kliger, also with over 30 years of experience in the field, is the principal of H.S. Kliger & Associates, engineering and marketing consultants to the composites industry, with emphasis on industrial and infrastructure-related FRP composite products. Dr. Kliger has been a member of SAMPE since 1975, and he too is a Fellow of SAMPE. Dr. Kliger has authored numerous market studies in the field. He is a voting member of ACI-440.

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