

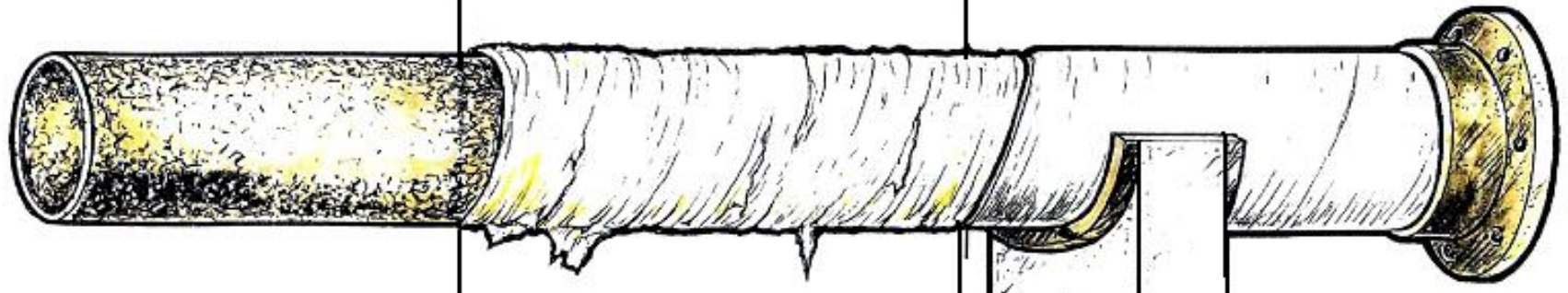
Deteriorating District Heating Pipes

Miles of low pressure steam pipes from a centralized boiler were deteriorating, adversely affecting the delivery of heat to the community

Exposed pipes were corroding due to weather and partial condensation of steam inside

Fiberglass Insulation is ineffective and deteriorates quickly when Aluminum Wrap is removed

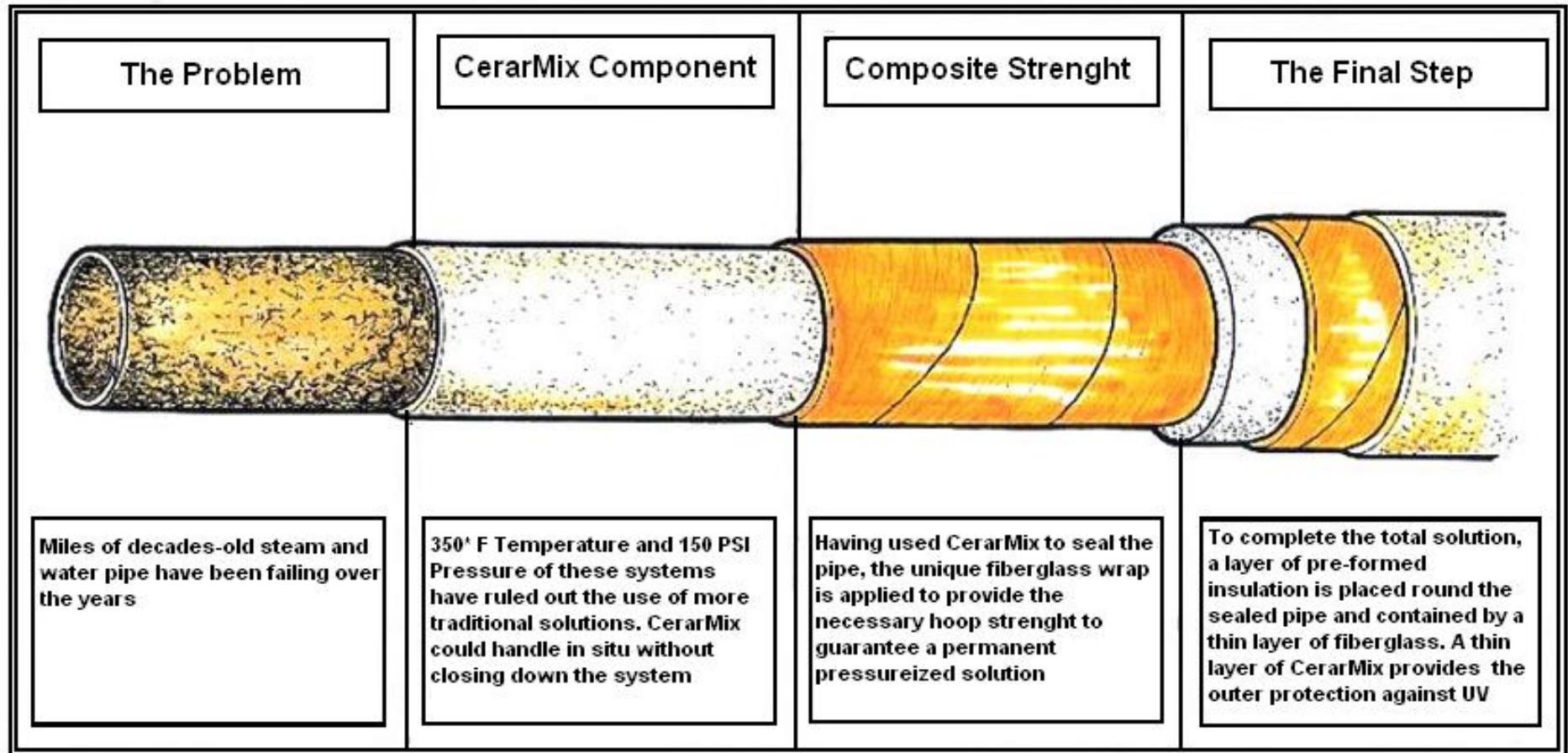
Aluminum armour is easily removed and offers no protection when pipe corrodes internally



Delivery pipes providing central heating steam and hot water to buildings were rusting from the inside out. Even the best exterior wrapping system gives no protection when pipe

The AMT Pipe Rehabilitation Solution

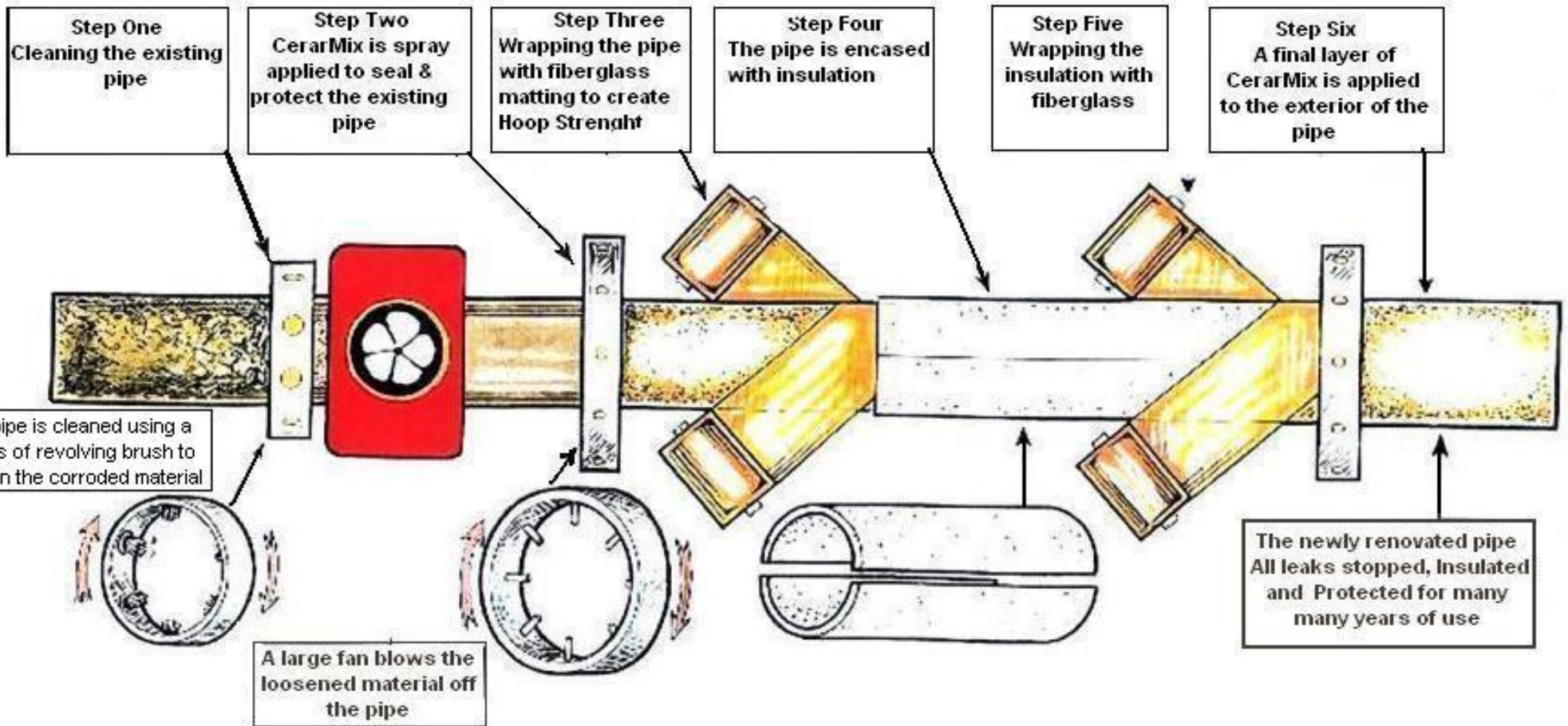
In conjunction with a world renowned manufacturer of pre-impregnated fiberglass, AMT developed a solution using CerarMix composites to repair the system without closing down



AMT Solution to the pipe effectively created a DURABLE SECOND PIPE enclosing the inner one, thus preserving the system integrity even after disintegration of the original pipe

Mechanized Pipe Wrapping Solution

Using the unique combination of CerarMix and pre-impregnated fiberglass bandage, a new system was developed that allowed for the mechanized application of the AMT solution to pipe rehabilitation



This ceramic composite solution allows for the combination of the positive tensile strength qualities of fiberglass with the compressive strength, water-proof and UV resistant characteristics of the CerarMix, creating a new strong, durable pipe using the existing pipe as a mold