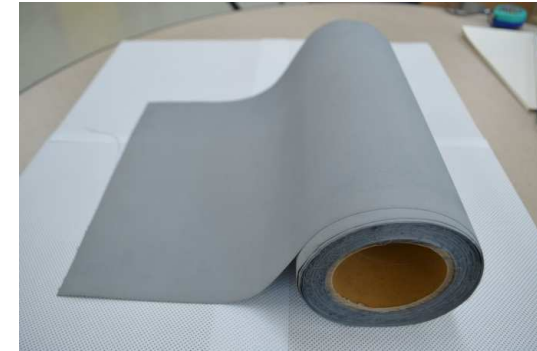


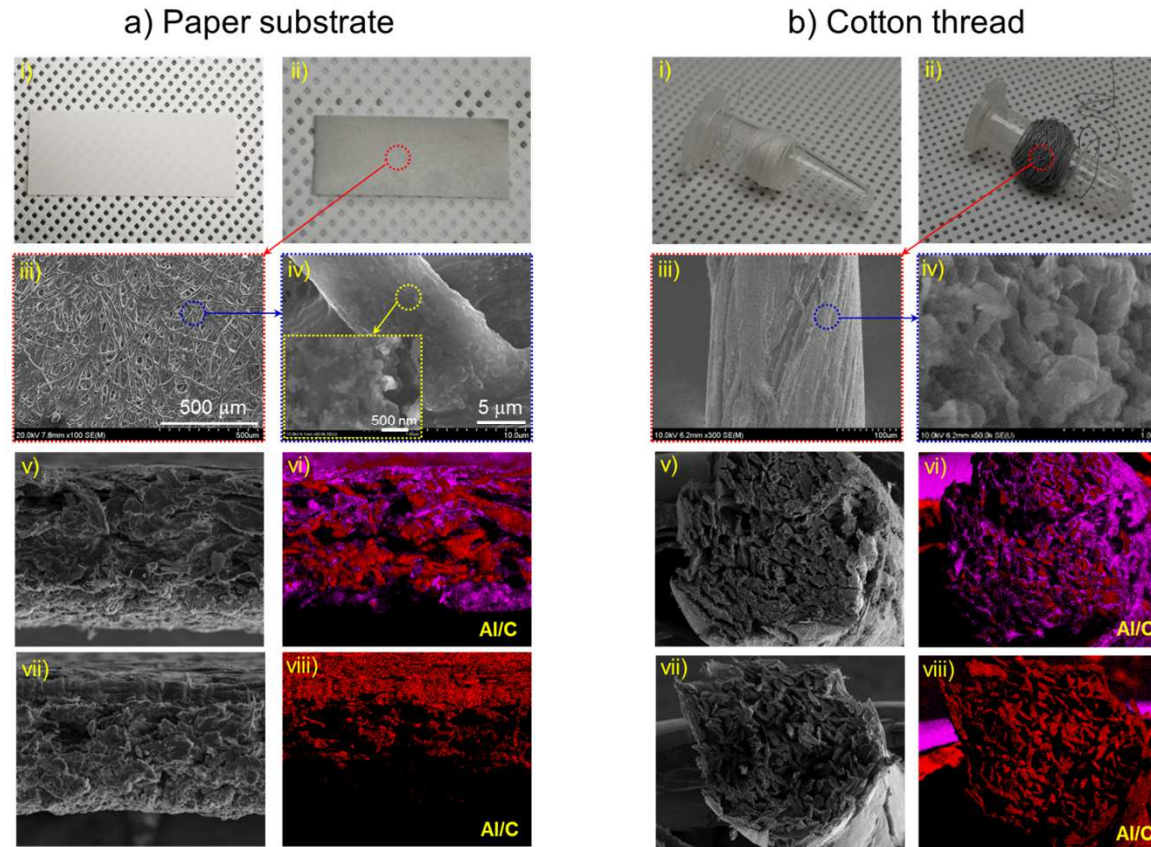
2) Aluminum coated conductive textiles



Alink has developed a production system for aluminium coated conductive textiles, such as aluminium coated conductive fabrics, unwoven filters, thread, and paper by advancing aluminium ink and coating technologies.

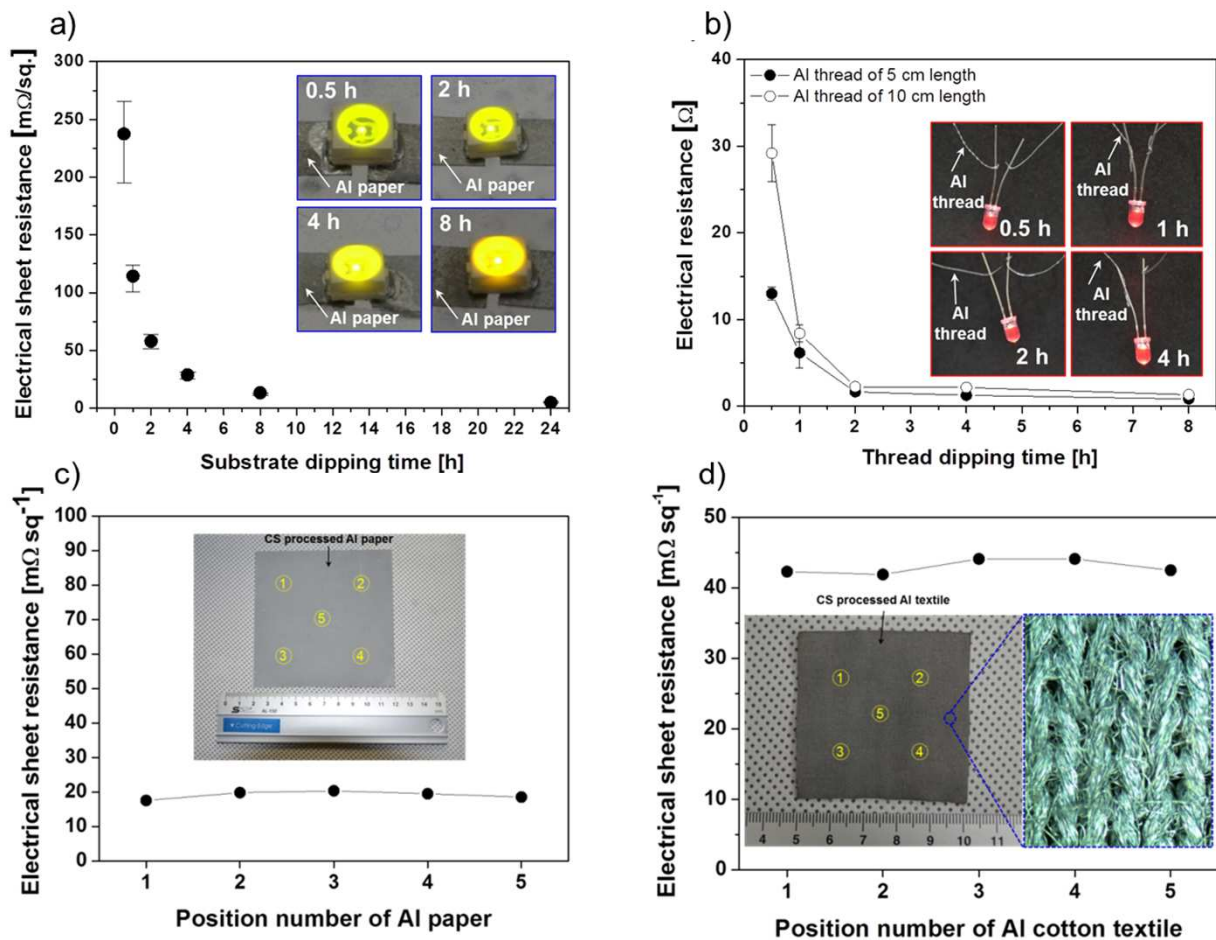
알링크는 원천기술인 알루미늄 잉크 및 코팅기술을 발전시켜 전도성 직물섬유, 부직포 필터, 실, 종이와 같은 알루미늄이 코팅된 전도성 섬유소재를 연속으로 생산할 수 있는 시스템 또한 개발 완료하였습니다.

● Alink processed aluminum coated conductive textiles and their microstructures



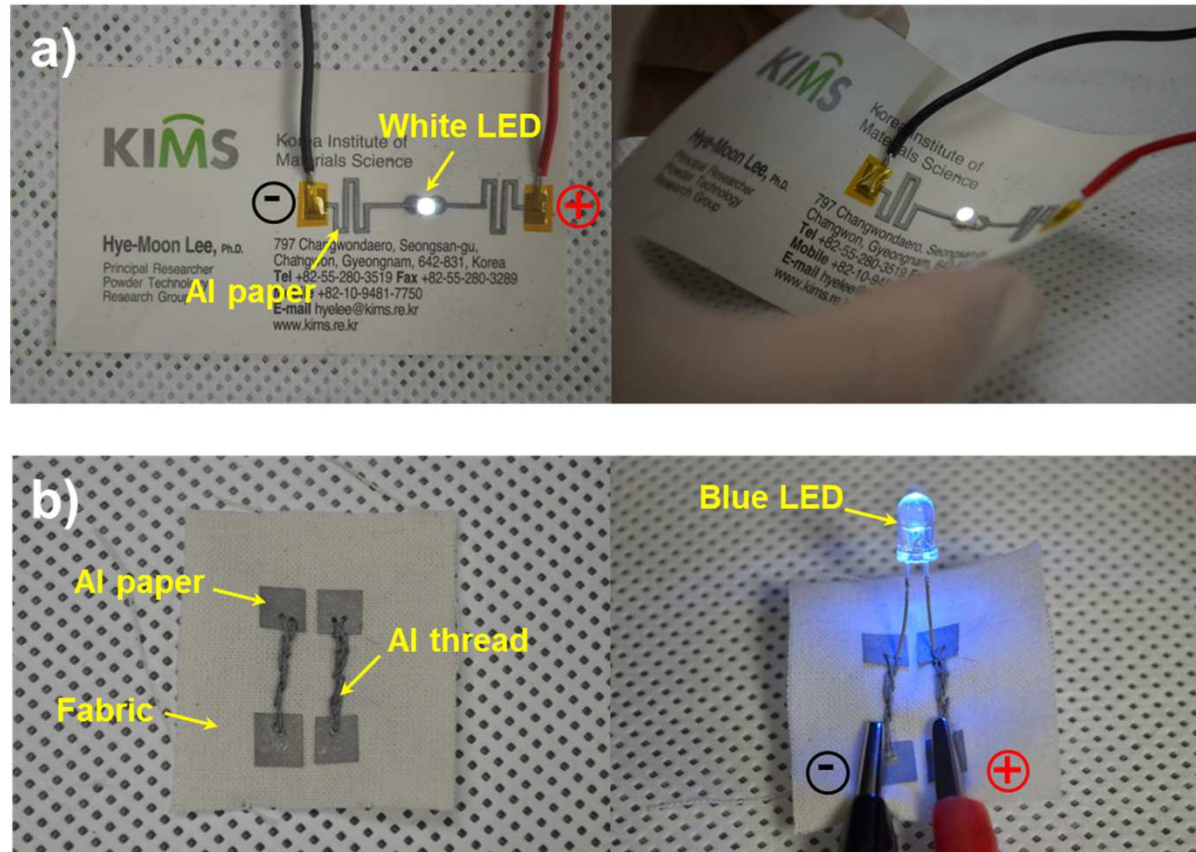
a) Comparison of raw paper substrate with Alink processed Al coated paper, b) comparison of raw cotton thread and Alink processed Al coated cotton thread in images and microstructures; i) Raw materials, ii) aluminum coated materials, iii), iv) microstructures of Al coated materials, v), vi) X-ray analysis image of Al coated materials (red: carbon, purple: aluminum), vii), viii) X-ray analysis image of raw materials

● **Electrical property of Alink processed Al coated conductive textiles**



a), b) Electrical resistances of Al coated paper and thread with process time, c), d) electrical sheet resistances of large sized Al coated paper and textile

● Applications of Alink processed Al coated conductive textiles



a) Electric circuit fabricated by cutting the Alink processed Al coated conductive paper and gluing it on a name card, b) electric circuit fabricated by backstitched Al coated thread on cotton fabric substrate.