



# **CCFL Display Sustainability Revitalization & Substitution Service**



- Replacement designs
- Compatible designs
- CCFL to LED Replacements
- Obsolescence Management



Why has the revitalization or substitution of field-installed TFT-Displays with CCFL backlight's become necessary?

- Almost all CCFL-Backlight TFT-Displays are obsolete.
- CCFL-Tubes as spare-parts are also obsolete.
- There is often no mechanically compatible successor available.
- Your customers expect serviceability for several years

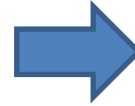
Why should you partner with us?

- More than 20 years of design experience.
- LED-Rail know-how as modern replacement of CCFL-Tubes (benefit: higher brightness or lower power consumption with LED)
- Deep inverter know-how to convert an analogue controlled CCFL-Inverter solution compatible to modern LED-Converter.
- More than 10 years experience in design of TTL/LVDS or LVDS/TLL conversion.
- More than 20 years experience in mechanical designs.

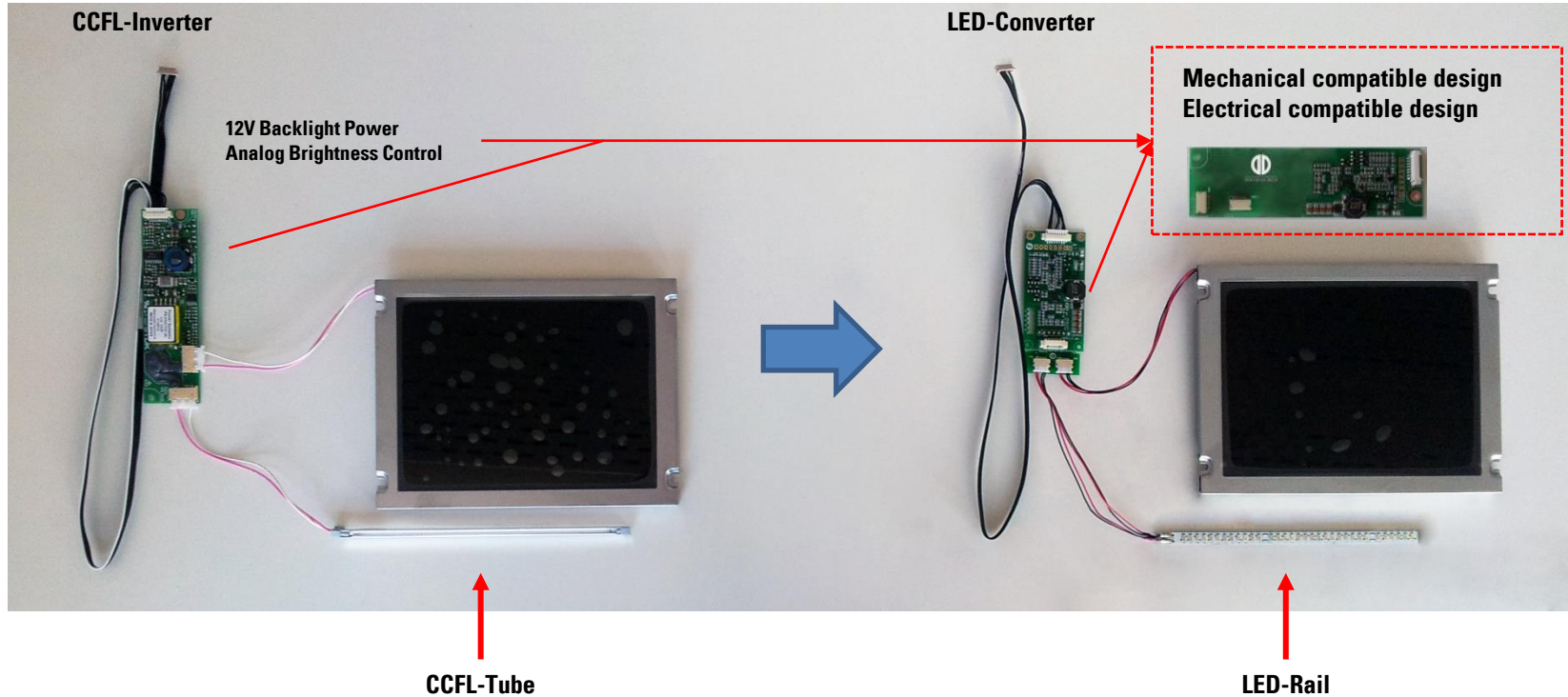


# Example of Revitalization

**OLD:** CCFL-TFT



**NEW:** LED-TFT



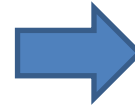
Compatible replacement

your specialist for flat screen solutions

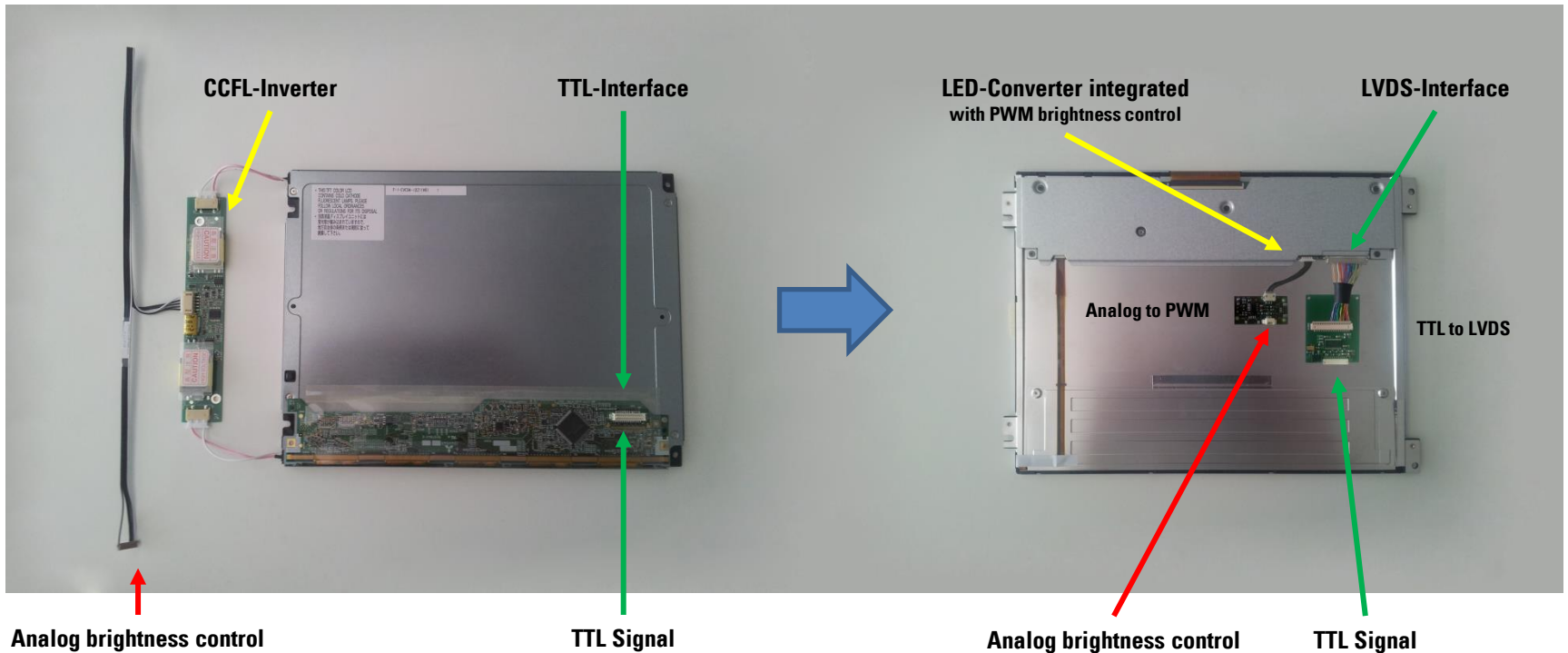


# Example of Revitalization

**OLD:** CCFL-TFT



**NEW:** LED-TFT



Compatible replacement



# Obsolescence Management

## Identify obsolescence

Define critical components

## Find alternative products

Search for mechanically and electrically identical or largely compatible products on the world market, provide them and hold stock

## Continuous surveillance

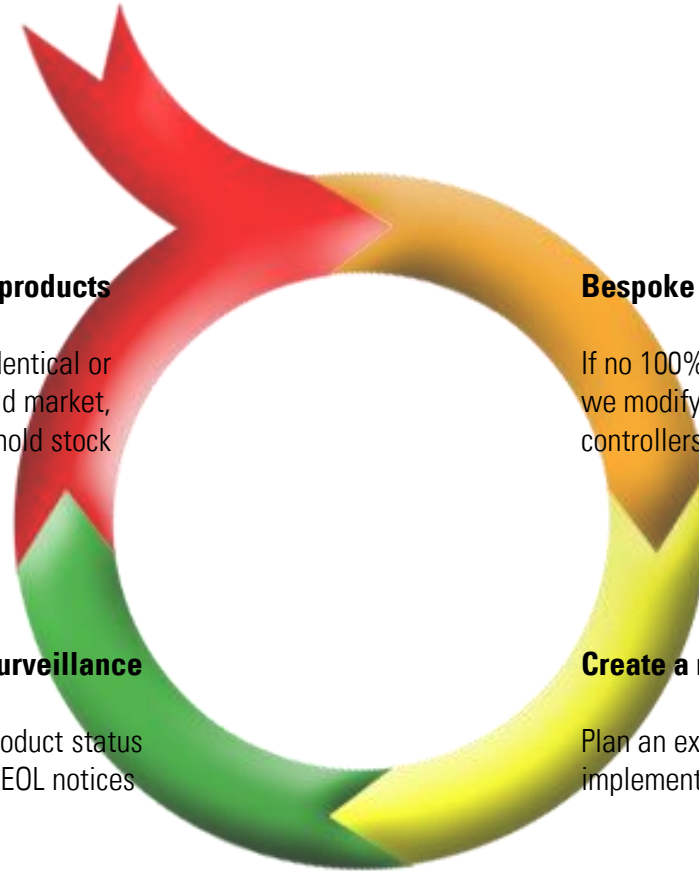
Proactive surveillance of the product status via manufacturer's PCN and EOL notices

## Bespoke modifications

If no 100% compatible product is available, we modify mechanic or electric (e.g. mounting bezels, controllers, interface boards etc.)

## Create a retrofitting concept

Plan an exchange program and prepare the logistic implementation



**Our company network supports you worldwide with offices in Germany, Great Britain, Italy, Turkey and the USA.**

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